

SEQUENCE LISTING

HUMAN HERPESVIRUS 1 (SEQ ID NO:109)

5	1 AGCCCCGGGCC CCCCAGGGGC GCGCGCGCGC GCAAAAAAGG CGGGCGGCCGG TCCGGGCCGG 61 GTGCGCGCGC GCAGCGGGCG TGCGGGGCCGG GGCGCGGGGA CGGGGGGGAG GAGCGGGGGGG 121 AGGAGCGGGG GGAGGAGCGG GGGGAGGAGC GGGGGGAGGA CGGGGGGGAG GAGCGGGGGGG 181 AGGAGCGGGG GGAGGAGCGG GGGGAGGAGC GGGGGGAGGA CGGGGGGGAG GAGCGGGGGGG 241 AGGAGCGGGG GGAGGAGCGG GGGGAGGAGC GGGGGGAGGA CGGGGGGGAG GAGCGGGGGGG 301 AGGAGCGGGG GGAGGAGCGG CCAGACGCCG AAAACGGGCC CCCCCCAAAA CACACCCCCC
10	361 GGGGGTCGCG CGCGGCCCTT TAAAGCGGTG CGGGCGGGCA GCGCGGCCGG CCCGCGGCCGG 421 AGACTAGCGA GTTAGACAGG CAAGCACTAC TCGCTCTGC ACGCACATGC TTGCTGTCA 481 AACTCTACCA CCCCAGGCACG CTCTCTGTCT CCATGGCCCG CGCGCCGCCGC CATCGCGGCC 541 CCCGCCGCC CGCGGCCGCC GGGCCACCGG GCGCCGTCCC AACCGCACAG TCCCAGGTAA 601 CCTCCACGCC CAACTCGGAA CCCCGCGGTCA GGAGCGCGCC CGCGGCCGCC CGCGCCGCCGC
15	661 CCCCCGCCGG TGGGCCCCCG CCTTCTTGTT CGCTGCTGCT CGGCCAGTGG CTCCACGTT 721 CCGAGTCCGC GTCCGACGAC GACCGATGACG ACGACTGGCC GGACAGCCCC CGGCCCGAGC 781 CGGCAGCCAGA GGGCCGGGCC ACCGCCGCCG CCCCCCGGCC CGGCCGCCCA CGGCCCGGGC 841 TGGGCCCGGG GGGCGGGGGCT GACCCCTCCC ACCCCCCCCCTC CGCCCGCTTC CGCCCTTCCGC 901 CGCGCCTCGC CCTCCGCGCTG CGCGTCACCG CGGAGCACCT GGCGCGCCTG CGCCTGCGAC 961 GCGCGGGCGG GGAGGGGGCG CGGGAGCCCC CGCGCACCCCC CGCGACCCCC GCGACCCCCG
20	1021 CGACCCCCCGC GACCCCCCGC CGGGTGCCTG TCTCGCCCCA CGTCCGGGTG CGCCACCTGG 1081 TGGTCTGGGC CTCGGCCGCC CGCTCTGGCGC GCGCGGCCCT GTGGGCCCGC GAGCGGGCCG 1141 ACCGGGCTCG GTTCCGGCGC CGGGTGGCGG AGGCCGAGGC GGTATCGGG CGTGCCTGG 1201 GGCCCGAGGC CGGTGCCCGG GCCCTGGGCC CGGGAGCCGG CCCGGCGAAC TCGGTCTAAC
25	1261 GTTACACCCG AGGCGGCCCTG GGTCTTCCGC GGAGCTCCCG GGAGCTCCGC ACCAACCGC 1321 TCTCCGGAGA GACGATGGCA GGAGCGCGC ATATATACGC TTGGAGCCAG CCCGCCCTCA 1381 CAGGGCGGGC CGCCTCGGGG CGGGGACTGG CCAATCGGCG GCGCCAGCG CGGCAGGGCC 1441 CGGCCAACCA GCGTCCGCCG AGTCTTCGGG GCGCGGCCCA TTGGCGGGGA GTTACCGCCC 1501 AATGGGCCGG GCCGCCCACT TCCCGGTATG GTAATTAAAA ACTTGCAAGA GGCGCTTGTTC
30	1561 CGCTTCCCGG TATGGTAATT AGAAACTCAT TAATGGCGG CCCCCGCCGC CCTTCCCGCT 1621 TCCGGCAATT CCCCGGCCCG TTAATGGGCA ACCCCGGTAT TCCCGCCCTC CGCGCGCCGG 1681 CGTAACCAACT CCCCTGGGGT TCCGGGTAT GCTAATTGCT TTTTGGCGG AACACACGGC 1741 CCCTCGCGCA TTGGGCCCGC GGTGCTCAA TGAACCCGCA TTGGTCCCCCT GGGGTTCCGG 1801 GTATGGTAAT GAGTTTCTC GGGAGGGCG GAAGCCCCGG GGCACCGACG CAGGCCAACG 1861 CCCTGTTGCG TCGGCGGGAG GGGCATGCTA ATGGGTTCT TTGGGGGACA CGGGGTTGGG
35	1921 CCCCCCAATC GGGGGCCGGG CGTGCATGC TAATGATATT CTTTGGGGGC GCGGGGTTGG 1981 TCCCCGGGG ACGGGCCGCC CGCGGGTGGG CCTGCCTCCC CTGGGACGCG CGGCCATTGG 2041 GGGAAATCGTC ACTGCCGCC CTTTGGGGAG GGGAAAGGCG TGGGTATAA GTTACCCCTG 2101 GCCCGACAGT CTGGTCGCT TGCACCTCG GCACTCGGAG CGAGACGCGAG CAGCCAGGCA 2161 GACTCGGGCC GCCCCCTCTC CGCATCACCA CAGAACCCCC GCCTACGTTG CGACCCCCAGC 2221 GGACCCCTCCG TCCCGACACC TCCAGCCGCA TACGACCCCC ATGGAGCCCC GCCCCGGAGC 2281 GAGTACCCGC CGGGCTGAGG GCGGCCCCCA GCGCGAGGTG AGGGGCCGG CGCCATGTCT 2341 GGGCGCCAT ATTGGGGGGC GCCATATTGG GGGCGCCAT GTTGGGGGAC CCCCACCCCT 2401 TACACTGGAA CGGGCCGCCA TGTGTTGGGA CCCCCACTCA TACACGGGAG CGGGCGCCA 2461 TGTTGGGGCG CCATGTTAGG GGGCGTGGAA CCCCCTGACA CTATATATAC AGGGACCGGG 2521 GGGGCCATGT TAGGGGGTGC GGAACCCCCCT GACCTATAT ATACAGGGAC CGGGGTCGCC 2581 CTGTTGGGG TGCGCATGT ACCCCCTGAC TTTATATATA CAGACCCCCA ACACATACAC 2641 ATGGCCCTT TGACTCAGAC GCAGGGCCCG GGGTCGCCGT GGGACCCCCCT GACTCATACA 2701 CAGAGACACG CCCCCACAAC AAACACACAA GGACCGGGGT CGCGCGTTG GGGCGTGGT
40	2761 CCCCCACTGAC TCATACGCGAG GCCCCCTTA CTCACACGCA TCTAGGGGG TGGGGAGGAG 2821 CCGCCCGCCA TATTTGGGG ACAGCGTGGG ACCCCCCACT CGCGTGCCTC TGGAGGGCGGG 2881 GAGAAGAGGG AAGAAGAGGG GTCGGGATCC AAAGGACGGA CCCAGACCCAC CTTTGGTTGC 2941 AGACCCCTT CTCCCCCTC TTCCGAGGCC AGCAGGGGG CAGGACTTTG TGAGGGCGGGG 3001 GGGGGAGAGG GGGAACTCGT GGGTGCTGAT TGACGGGGGA ATCCCCCCCC CATTCTTACC
45	3061 CGCCCCCTT TTTCCCTT AGCCCGCCCC GGATGTCTGG GTGTTCCCT GCGACCGAGA 3121 CCTGCCGGAC AGCAGCGACT CTGAGGCGGA GACCGAAGTG GGGGGCGGG GGGACGCCGA 3181 CCACCATGAC GACGACTCCG CCTCCGAGGC GGACAGCACG GACACGGAAC TGTCGAGAC
50	
55	

	3241	GGGGCTGCTG	GGGCCGCAGG	GCGTGGATGG	GGGGGCGGTC	TGGGGGGGGA	GCCCCCCCCG
	3301	CGAGGAAGAC	CCCGGCAGTT	GCGGGGCGC	CCCCCCTCGA	GAGGACGGGG	GGAGCGACGA
	3361	GGGCGACGTG	TGCGCCGTGT	GCACGGATGA	GATCGCGCC	CACCTGCGCT	GCGACACCTT
5	3421	CCCGTGCATG	CACCGCTTCT	GCATCCCCTG	CATGAAAACC	TGGATGCAAT	TGCGCAACAC
	3481	CTGCCCGCTG	TGCAACGCCA	AGCTGGTGTA	CCTGATACTG	GGCGTACGCC	CCAGCGGGTC
	3541	GTTCAGCACC	ATCCCGATCG	TGAACGACCC	CCAGACCCGC	ATGGAGGCCG	AGGAGGCCGT
	3601	CAGGGCGGGC	ACGGCCGTGG	ACTTTATCTG	GACGGGCAAT	CAGCGGTTCG	CCCCGCGGTA
	3661	CCTGACCCCTG	GGGGGGCACA	CGGTGAGGGC	CCTGTCGCC	ACCCACCCGG	AGCCCACCAAC
10	3721	GGACGAGGAT	GACGACGACC	TGGACGACGG	TGAGGGGGGG	GGCGGCAAGG	ACCCTGGGGG
	3781	AGGAGGGAGGA	GGAGGGGGGG	GGAGGGAGGA	ATAGGCGGGC	GGCGAGGAA	AGGGCGGGCC
	3841	GGGGAGGGGG	CGTAACCTGA	TCGCGCCCCC	CGTTGTCTCT	TGCAGCAGAC	TACGTACCGC
	3901	CCGCCCCCG	CCGGACGCC	CGCGCCCCC	CACGCAGAGG	CGCCGCCGCG	CCCCCCGTGA
	3961	CGGGCGGGG	GTCTCACGCA	GCCCCCCCAGC	CGGCCGCGGC	TCGGACAGCG	CCCCCCTCGG
15	4021	CGCCCCATCGG	GCCACACGGC	AGCAGTAACA	CCAACACCAAC	CACCAACAGC	AGCAGGCCGG
	4081	GCGGCTCCCG	CCAGTCGCGA	GCCGCGGCCG	CGCGGGGGGC	GTCTGGCCCC	TCCGGGGGGG
	4141	TTGGGGTTGG	GGTTGGGGTT	TTGAAGCGG	AGGCAGGGCG	GCCGAGGGGC	CGGACCGGGCC
	4201	CCCTTGTCAA	CAGACCCGCC	CCCCTTGCAA	ACAACAGAGA	CCCCATAGTG	ATCAGCGACT
	4261	CCCCCCCCGGC	CTCTCCCCAC	AGGCCCCCCC	CGGCGCCCAT	GCCAGGCTCC	CCCCCCCAGC
	4321	CGGGCCCCC	CGCGTCCGCG	GCCGCGTCGG	GACCCGCGCG	CCCCCGCGCG	GCCGTGGCCC
20	4381	CGTGCCTGCG	AGCGCCGCC	CCGGGGCCCG	GCCCCCGCGC	CCCGGCCCGC	GGGGCGGAGC
	4441	CGGCCGCCCG	CCCCGCGGAC	GCGCGCCGTG	TGCCCCAGTC	GCACTCGTCC	CTGGCTCAGG
	4501	CCGCGAACCA	AGAACAGAGT	CTGTGCGGGG	CGCGTGCAC	GGTGGCGCGC	GGCTCGGGGG
	4561	GGCCGGCGT	GGAGGGTGGG	CACGGGCCCT	CCCAGCGCGC	CGCCCCCTCC	GGCGCCGCCC
	4621	CGCTCCCCCTC	CGCGCCTCT	GTGAGCAGG	AGGCAGCGGT	GCGTCCGAGG	AAGAGGCGCG
25	4681	GGTCCCCGCA	GGAAAACCCC	TCCCCCAGT	CCACGCGTCC	CCCCCTCGCG	CCGGCAGGGG
	4741	CCAAGAGGGC	GGCGACGAC	CCCCCCTCCG	ACTCAGGGCC	GGGGGGGCGC	GGCCAGGGTG
	4801	GGCCCCGGAC	CCCCCTGACG	TCCTCGGCGG	CCTCCGCCTC	TTCTCTCTCT	GCCCTCTCCCT
	4861	CCTCGGCCCC	GACCCCCCGC	GGGGCCGCCT	CTTCCGCCGC	GGGGGCCGCG	TCCCTCCTCCG
	4921	CTTCCGCCTC	CTCGGGCGGG	GCGCTCGGTG	CCCTGGGAGG	GAGACAAGAG	GAAZACCTCCC
30	4981	TCGGCCCCCG	CGCTGCTCT	GGGCCGCGGG	GGCGAGGAA	GTGTGCCCCG	AAGZACGCGCC
	5041	ACGCGGAGAC	TTCCGGGGCC	GTOCCCGCGG	GCGGCCTCAC	GCGCTACCTG	CCCZATCTCGG
	5101	GGGTCTCTAG	CGTGGTCGCC	CTGTCGCCCT	ACGTGAACAA	GACTATCACG	GGGZACTGCC
	5161	TGCCCATCCT	GGACATGGAG	ACGGGAAACA	TCGGGGCGTA	CGTGGTCCTG	GTGGACCAGA
	5221	CGGGAAACAT	GGCGACCCGG	CTGCGGGCGC	CGGTCCCCGG	CTGGAGCCGC	CGCACCCCTGC
35	5281	TCCCCGAGAC	CGCGGGTAAC	CACGTGATGC	CCCCCGAGTA	CCCGACGGCC	CCCCCGTCGG
	5341	AGTGAACAG	CCTCTGGATG	ACCCCCGTGG	GGAACATGCT	TTTCGACCAAG	GGCACCCCTAG
	5401	TGGGCGCCCT	GGACTTCCGC	AGCCTGCGGT	CTCGGCACCC	GTGGTCCCGG	GAGCAGGGGG
	5461	CGTCGACCCG	GGACGAGGG	AAACAATAAG	GGACGGCCCC	CGTGTGGTGT	GGGAGGGGGG
	5521	GTTGGGGCGC	TGGGTGGTCT	CTGGCCGCGC	CCACTACACC	AGCCAATCCG	TGTGGGGAG
40	5581	GGGAAAAGTG	AAAGACACGG	GCACCCACACA	CCAGGGGTC	TTTTGTGTTG	GCCCTAATAAA
	5641	AAAAAAACTC	AGGGGATTTC	TGCTGTCGT	TGGGAAATAA	AGGTTTACTT	TTGTTATCTTT
	5701	TCCCTGTCTG	TGTTGGATGT	ATCGCGGGGA	TGCGTGGGAG	TGGGGGTGCG	TGGGAGTGGG
	5761	GTTGGGGTGG	AGTGGGGGTG	CGTGGGAGTG	GGGGTGCCTG	GGAGTGGGGG	TGCGTGGGAG
	5821	TGGGGGTGCG	TGGGAGTGGG	GGTGCCTGGG	AGTGGGGGTG	CGTGGGAGTG	GGGGTGCCT
45	5881	GTTGGGCAGG	CTCTGGTGT	AACCACAGAG	CCGCGCCCG	GGCTGCCTGA	CCACCGATCC
	5941	CCGAAAGCAT	CCTGCCACTG	GCATGGAGCC	AGAACCCACAG	TGGGTTGGGT	GTGGGTGTTA
	6001	AGTTCCGCG	AGCGCCTGCC	CGCCCCGGACT	GACCTGGCCT	CTGGCCGCGCA	CAAAGGGCGG
	6061	GGGGGGTTAA	CTACACTATA	GGGCAACAAA	GGATGGGAGG	GGTGGCGGGG	GGGACGGGGG
	6121	CGCCAAAAG	GGGGTCGGCC	ACACCACAGA	CGTGGGTGTT	GGGGGGTGGG	GCGGAGGGGT
50	6181	GGGGGGGGGG	GAGACAGAAA	CAGGAACATA	GTTAGAAAAC	AAGAATGCGG	TGCAAGCCAGA
	6241	GAATCACAGG	AGACGAGGGG	ATGGGCGTGT	TGGTTACCA	CCCACACCCA	GGCATGCTCG
	6301	GTGGTATGAA	GGAGGGGGGG	CGGTGCTTCT	TAGAGACCGC	CGGGGGACGT	GGGGTTGGTG
	6361	TGCAAAGGCA	CGCGCACCCG	CGCGGCCAGG	TGGGCCGGTA	CTCCCATCCCC	CCCCCCCCCG
	6421	ACCCCTCCCA	CCCCCGCGTG	CCAGAGATCA	CCCCGGTCCC	CCGGCACCCG	CCAATCCTCC
55	6481	GTATCCTCGC	TTTAGGAACA	ACTTTAGGGG	GGGTACACAC	GCGCCGTGCA	TTTCTTCCA
	6541	CACCCCCCCT	CCCCCGCACT	CCCCCCCCCC	AGGCAGTAAG	ACCCCAAGCAT	AGAGAGGCCAG
	6601	GCACAAAAAC	ACAGGCGGGG	TGGGACACAT	GCCTTCTTGG	AGTACGTGGG	TCATTGGCGT
	6661	GGGGGGTTAC	AGCGACACCG	GGCGACCCCC	TGGCGGTCTT	CCAGCCGGCC	CTTAGATAAG
	6721	GGGGCAGTTG	GTGGTCGGAC	GGGTAAGTAA	CAGAGTCTGA	CTAAGGGTGG	GAGGGGGGGA

	6781	AAAGAACGGG	CTGGTGTGCT	GTAACACGAG	CCCACCCGCG	AGTGGCGTGG	CCGACCTTAG
5	6841	CCTCTGGGGC	GCCCCCTGTC	GTGGGGTCC	CCCCCCTCTA	TTGGGGAGAAA	GCAGGGTGTCT
	6901	AACCTACCTG	GAAACGCCGC	GTCTTGTTG	AACGACACCG	GGGCGCCCTC	GACGAGTGGG
	6961	ATAACGGGGG	AGGAAGGGAG	GGAGGAGGGT	ACTGGGGGTG	AAGAAGGGGG	GGGGGAGAAG
10	7021	CGAGAACAGG	AAAGGCGATG	GAGCCCGGCA	GAACACCGAG	AAAAAAA	CCACAGCGCA
	7081	TGCGCCGGGC	CGTTGTGGGG	CCCCGGGCCG	GGGCCCCCTG	GGTCGCGCGG	GGCCCCGGGC
	7141	CGGGCCGCCA	CGGGGGCCGG	CCGTTGGCGG	TAACCCCGAG	TGTTCATCTC	AGGCCCCGGG
	7201	CGGGGAACCC	GGAAAAGCCT	CCGGGGGGCC	TTTTTCGCGT	CGCGTGC CGG	CGAGCGGGTC
	7261	CGGACGGGGC	CCGGACCGCC	GCGTCGGGG	GCCCCTCGTC	CCGGGCCGTA	CGCGCCCTTC
15	7321	GCCCCGTGAG	GGGACAGAGC	AACGAAACAT	TCCGGCGACG	GAACGAAA	CACCCAGAC
	7381	GGGTTAAAGA	AACAGAAACC	GCAACCCCCA	CCACCCCCGA	AACGGGGAAA	ACGAAAAAAC
	7441	AGACCAGCGG	CCGGCCGGCG	CTTAGGGGG	GGATGTCGCC	GACGCCCTT	GGCCGCCCG
	7501	GCTGCAGGGG	GGCCCGGAGA	GCCGCGGCAC	CCGGACGCGC	CCGGAAAGTC	TTTCGCACCA
	7561	CCCGCGATCG	GCACGGCCGC	GCCCCCGCTT	TTATAAAGGC	TGAGATGACG	CAGCAAAAC
20	7621	AGGCCACAGC	ACCACGTGGG	TAGGTGATGT	AATTTTATT	TCCTCGTCTG	CGGCCTAAATG
	7681	GATTTCCGGG	CGCGGTGCC	CTGTCGAG	AGCACTAAC	GGATTGATAT	CTCGCGGGCA
	7741	CGCGCGCCCT	TAATGGACCG	GCGCGGGCG	GGGGGCCGGA	TACCCACACG	GGCGGGGGGG
	7801	GGGTGTGCGC	GGCGTCTGC	TGGCCCGCGG	CCACATAAAC	AATGACTCTG	GGCCTTCTG
	7861	CCTCTGCCGC	TTGTGAGTGC	GCGCGCCGGC	TCTGCGGTGT	CGCGGGCGGC	TGCGCGGGCT
25	7921	GCGGGGGCCG	CCGTGTTCCG	TCTCGGTAGC	CGGCCGGCGG	GTGGACTCGC	GGGGGGCCGG
	7981	AGGGTGGAAAG	GCAGGGGGGT	GTAGGATGGG	TATCAGGACT	TCCACTTCCC	GTCCTTCCAT
	8041	CCCCCGTTCC	CCTCGGTTGT	TCCTCGCCTC	CCCCAACACC	CCGCGCGTTT	CCGTTGGGGT
	8101	TGTTATTGTT	GTCGGGATCG	TGCGGGCCGG	GGGTCGCCGG	GGCAGGGGGC	GGGGCGTGGG
	8161	CGGGGGTGCT	CGTCGATCGA	CCGGGCTCAG	TGGGGCGTG	GGGTGGGTGG	GAGAAGGCAGA
30	8221	GGAGACTGGG	GTGGGGGTGT	CGGTGGGTGG	TTGTTTTTG	TGGTTGTTT	TGTGCTGTT
	8281	CCCGTCCCCC	GTCACCCCCC	CCCTCCGTCC	CCTCCGTCCC	CCCGTCGCGG	GTGTTGTTG
	8341	TTGTTTATT	CGACATTGGT	TTATTTAAAT	AAACACAGCC	GTTCTGCGTG	TCTGTTCTTG
	8401	CGTGTGGCTG	GGGGCTTATA	TGTGGGGTCC	CGGGGGCGGG	ATGGGGTTA	CGGGCGGGGG
	8461	GCGGCGCGCC	GGACGGGGCG	CTGGAGATAA	CGGCCCCCGG	GAACGGGGG	ACCGGGGCTG
35	8521	GGTATCCCAGA	GGTGGGTGGG	TGGCGGGCGG	TGGCCGGGCC	GGGCCGGGGC	GGGCCGGGGCC
	8581	GGGTGGCGG	GGTTTGGAAA	AACGAGGAGG	AGGAGGAGAA	GGCAGGGGGG	GGGGAGACGG
	8641	GGGGAAAGCA	AGGACACGGC	CCGGGGGGTG	GGAGCGCGGG	CCGGGCCGCT	CGTAAGAGCC
	8701	GCGACCCGGC	CGCCGGGGAG	CGTGTGCGCC	GTCGGTCTGC	CGGCCCCCGT	CCCTCCCTTT
	8761	TTTGACCAAC	CAGCGCCCCC	CCCCCCCCCTC	ACCACCATTC	CTACTACCAC	CACCACCACC
40	8821	ACCACCGACA	CCTCCCGCGC	ACCCCCGCC	ACATCCCCCC	CCAACCCGCA	CCACCAAGCAC
	8881	GGGTTGGGGG	TAGCAGGGGA	TCAAAGGGGG	GCAAAGCGGC	GGGGCGGTT	GGGGGGGGGG
	8941	GGGGGGGGCG	GGAAACCAAG	TAGGCCCGCC	CATCCCGCGC	CCCTCCCGGC	AGCCACGCC
	9001	CCAGCGTCGG	GTGTCACTGG	GAAAGAGCAG	AGGGGAGAGG	GGAGAGGGGG	GGAGAGGGGA
	9061	GAGGGGGGGG	GAGGGGAGAG	GGGGGGAGAG	GGGAGAGGGG	GGGAGAGGGG	AGAGGGGGGG
45	9121	AGAGGGGAGA	GGGGGGGGAGA	GGGGAGAGGG	GGGGAGAGGG	GAGAGGGGG	GAGAGGGAG
	9181	AGGGGGGGAG	AGGGGAGAGG	GGGGAGAGGG	GGGTATATAA	ACCAACGAAA	AGCGCGGGAA
	9241	CGGGGATACG	GGGCTTGTGT	GGCACGACGT	CGTGGTTGTG	TTACTGGGCA	AACACTTGGG
	9301	GACTGTAGGT	TTCTGTGGGT	GCCGACCTA	GGCGCTATGG	GGATTTTGGG	TTGGGTGCGG
	9361	CTTATTGCCG	TTGGGGTTTT	GTGTGTCGG	GGGGGGCTTG	CTTCAACCGA	ATATGTTATT
	9421	CGGAGTCGGG	TGGCTCGAGA	GGTGGGGGAT	ATATTAAAGG	TGCCTTGTG	GCCGCTCCCG
	9481	TCTGACGATC	TTGATTGGCG	TTACGAGACC	CCCTCGGCTA	TAAACTATGC	TTTGATAGAC
	9541	GGTATATT	TGCGTTATCA	CTGTCCCGGA	TTGGACACGG	TCTTGTGGGA	TAGGCATGCC
	9601	CAGAAGGCAT	ATTGGGTTAA	CCCCTTTTA	TTTGTGGCG	TTTTTTGGA	GGACTTGAGT
	9661	TACCCCGCGT	TTCTGCAA	CACCCAGGAA	ACAGAAACGC	GCTTGGCCCT	TTATAAAGAG
50	9721	ATACGCCAGG	CGCTGGACAG	TCGCAAGCAG	GCCGCCAGCC	ACACACCTGT	GAAGGCTGGG
	9781	TGTGTGAACT	TTGACTATT	GCGCACCGC	CGCTGTGTAG	GGCGACAGGA	TTTGGGACCT
	9841	ACCAACGGAA	CGTCTGGACG	GACCCCGGTT	CTGCCGCCGG	ACGATGAAGC	GGGCCTGCAG
	9901	CCGAAGCCCC	TCACCAAGGCC	GCCGCCCATC	ATGCCACGT	CGGACCCAC	CCCGCGACGG
	9961	GACGCCGCCA	CAAAAAGCAG	ACGCCGACGA	CCCCACTCCC	GGCGCCTCTA	ACGATGCCTC
55	10021	GACGGAAACC	CGTCCGGGTT	CGGGGGCGA	ACCGGGCGCC	TGTCGCTCGT	CAGGGCCGGC
	10081	GGCGCTCTC	GCCGCCCTAG	AGGCTGGTCC	CGCTGGTGTG	ACGTTTTCT	CGTCCCGCGC
	10141	CCCCGACCC	CCCCATGGATT	TAACAAACGG	GGGGGTGTG	CCTGCGCGA	CCTCGCGGCC
	10201	TCTGGACTGG	ACCACGTTTC	GGCGTGTGTT	TCTGATCGAC	GACGCGTGGC	GGCCCTGTGAT
	10261	GGAGCCTGAG	CTGGCGAAC	CCTTAACCGC	CCACCTCCTG	GCGAATATA	ATCGTCGGTG

	10321	CCAGACCGAA	GAGGTGCTGC	CGCCGCGGGA	GGATGTG-TTT	TCGTGGACTC	GTTATTGCAC
	10381	CCCCGACGAG	GTGCGCGTGG	TTATCATCGG	CCAGGAC CCA	TATCACCACC	CCGGCCAGGC
5	10441	GCACGGACTT	GGCTTAGCG	TGCGCGCGA	CGTGCCG-CCT	CCCCCGAGTC	TTCGGAATGT
	10501	CTTGGCGGCC	GTCAAGAAC	GTTATCCC	GGCACGG-ATG	AGCGGCCACG	GTTGCCTGGA
	10561	AAAGTGGCG	CGGGACGGCG	TCCTGTTACT	AAACACG-ACC	CTGACCGTCA	AGCGCGGGC
	10621	GGCGCGTCC	CACTCTAGAA	TCGGTTGGG	CCGTTTCGTG	GGCGGAGTTA	TCCGCCGGTT
	10681	GGCCGCGCGC	CGCCCCGGCC	TGGTGT	GCTCTGG-GGC	ACACACGCC	AGAATGCCAT
	10741	CAGGCCGGAC	CCTCGGGTCC	ATTGCGT	CAAGTTTTCG	CACCCGTCGC	CCCTCTCAA
10	10801	GGTCCCGTTC	GGAACCTGCC	AGCATT	CGTGGCGAAC	CGATAACCTCG	AGACCCGGTC
	10861	GATTCACCC	ATCGACTGGT	CGGTTGAAA	GGCATCGACG	TCCGGGGTTT	TTGTCGGTGG
	10921	GGGCTTTGG	GTATTTC	TGAATAAAAGA	CGGTTAAATGG	TTAACACCTCT	GGTCTCATAC
	10981	GGGTCGGTGA	TGTCGGGCGT	CGGGGGAGAG	GGAGTTCCT	CTGCGCTTGC	GATTCTAGCC
	11041	TCGTGGGCT	GGACGTTCCA	CACGCCAAAC	CACGAGT-CGG	GGATATCGCC	AGATACGACT
15	11101	CCCGCAGATT	CCATTGGGG	TGCCGCTGTG	GCCTCACCTG	ACCAACCTT	ACACGGGGC
	11161	CCGGAACGGG	AGGCCACAGC	GCCGCTTTC	TCCCCAAACGC	GCGCGGATGA	CGGCCGCC
	11221	TGTACCGACG	GGCCCTACGT	GACGTTGAT	ACCCCTGTTA	TGGTGTGTC	GATCGACGAA
	11281	TTAGGGCGTC	GCCAGCTCAC	GGACACCATC	CGCAAGGACC	TGCGGTTGTC	GCTGCCAAG
	11341	TTTAGCATTG	CGTGCACCAA	GACCTCCTCG	TTTCGGGAA	ACGCCCCGCG	CCACCACAGA
	11401	CGCGGGCGT	TCCAGCGGG	CACGCGGGCG	CCGCGCAAGCA	ACAAAAGCCT	CCAGATGTT
20	11461	GTGTTTGCA	AACGCGCCCA	CGCCGCTCGA	GTGCGAGAGC	AGCTTCGGGT	CGTTATTTCAG
	11521	TCCCGCAAGC	CGCGCAAGTA	TTACACGCGA	TCTTCGGACG	GGCGGCTCTG	CCCCGCCGTC
	11581	CCCGTGTTCG	TCCACGAGTT	CGTCTCGTCC	GAGCCAATGC	GCCTCCACCG	AGATAACGTC
	11641	ATGCTGGCT	CGGGGGCGGA	GTAACCGGCC	CCCCCCCCTATG	CCACCCCTCAC	TGCCCCTGCG
	11701	GCGTGT	TTGA	TGTTAATAAA	TAACACATAA	ATTGGCTGG	TTGTTGTTG
25	11761	ACCGCCCGCA	AGGGGGGGGG	GGCATTTCAG	TGTCGGGTGA	CGAGCGCGAT	CCGGCCGGGA
	11821	TCCTAGGACC	CCAAAAGTTT	GTCTGCGTAT	TCCAGGGCGG	GGCTCAGTTG	AATCTCCGC
	11881	AGCACCTCTA	CCAGCAGGTC	CGCGGTGGGC	TGGAGAAACT	CGGCCGTCCC	GGGGCAGGGCG
	11941	GTTGCTGGGG	GTGGAGGCGC	GGCGCCCCACC	CGGTGTGCCG	CGCCTGGCGT	CTCCTCTGGG
30	12001	GGCGACCCGT	AAATGGTTGC	AGTGATGTAA	ATGGTGTCCG	CGGTCCAGAC	CACGGTCAA
	12061	ATGCCGGCG	TGGCGCTCCG	GGCGCTTCG	CGCGCGAGG	AGCTGACCCA	GGAGTCGAAC
	12121	GGATACGCGT	ACATATGGGC	GTCCCACCCG	CGTCGAGCT	TCTGGTTGCT	GTCCCGGCCT
	12181	ATAAAGCGGT	AGGCACAAAAA	TTCGGCGCGA	CAGTCGATAAA	TCACCAACAG	CCCAATGGGG
	12241	GTGTGCTGGA	TAACAACGCC	TCCGCGCGGC	AGGCGGTCCCT	GGCGCTCCCG	GCCCCGTACC
35	12301	ATGATCGCGC	GGGTGCCGTA	CTCAAAACAA	TGCACCAACCT	GCGCGGCCGTC	GGGCAGTGC
	12361	CTGGTCAGCG	AGGCCCTGGC	GTGGCATAGG	CTATACGCGA	TGGTGTCTG	TGGATTGGAC
	12421	ATCTCGCGT	GGGTAGTGTAG	TCCCCCGGGC	CGGGTTCGGT	GGAACTGTAA	GGGGACGGCG
	12481	GGTTAATAGA	CAATGACCAAC	GTTCGGATCG	CGCAGAGCCG	ATAGTATGTG	CTCACTAATG
	12541	ACGTCATCGC	GCTCGTGGCG	CTCCCGGAGC	GGATTTAAAGT	TCATGCGAAG	GAATTGGAG
	12601	GAGGTGGTGC	GGGACATGGC	CACGTACGCG	CTGTTGAGGC	GCAGGTTGCC	GGGCGTAAAG
40	12661	CAGATGGCGA	CCTTGTCCAG	GCTAAGGCC	TGGGAGCGCG	TGATGGTCAT	GGCAAGCTTG
	12721	GAGCTGATGC	CGTAGTCGGC	GTTTATGGCC	ATGGCCAGCT	CCGTAGAGTC	AATGGACTCG
	12781	ACAAACTCGC	TGATGTTGGT	GTTGACGACG	GACATGAAAGC	CGTGTGGTC	CCGCAAGACC
	12841	ACGTAAGGCA	GGGGGGCCTC	TTCCAGTAAC	TCGGCCACGT	TGGCCGTGCG	GTGCCGCC
	12901	CGCAGCTCGT	CCGCAAAGGC	AAACACCCGT	CGTACCGTGT	ATCCCATGAG	CGTATAATTG
45	12961	TCCGTCTGCA	GGGCGACGGA	CATCAGCCCC	CCGCGCCGGCG	AGCCGGTCAG	CATCTCGCAG
	13021	CCCCGGAAGA	TAACGTTGTC	CACGTACGTG	CTAAAGGGGG	CGACTTCAAA	TGCCTCCCCG
	13081	AAGAGCTCTT	GGAGGATTG	GAATCTCCC	AGGAAGGCC	GCTTCAGCAG	CGAAACTGG
	13141	GTTGTAACCG	CGGCGGTG	CTCCGGTTCC	CCGGGGGTGT	AGTGGCAGTA	AAACACGTCG
	13201	AGCTGTTGTT	CGTCCAGCCC	CGCGAAAATA	ACGTGAGGGT	CGTCGTCGGG	AAAATCGTC
50	13261	GGGCCCCCGT	CCC CGCGGCC	CAGTGTCTA	AAATCAAAACG	CACGCTCGCC	GGGGCGCCT
	13321	GCGTCGGCCA	TTACCGACGC	CTGCGTCGGC	ACCCCCCGAAG	ATTGGGGCG	CAGAGACAGA
	13381	ATCTCCGCCG	TTAGTTCTCC	CATGCGGGCG	TAGGCGAGGG	TCCTCTGGGT	CGCATCCAGG
	13441	CCC CGGGCGCT	GCAGAAAGTT	GTAAAAGGAG	ATAAGCCCGC	TAAATATGAG	CCGCGACAGG
	13501	AACCTGTAGG	CAAACCTCCAC	CGAAGTCTCC	CCCTGAGTCT	TTACAAAGCT	GTCGTCACGC
55	13561	AACACTGCCT	CGAAGGCCCG	GAACGTCCC	CTAAACCCAA	AAACCAGTT	TCGCAAGGCGC
	13621	GCGGTACCG	CGATCTGGCT	GTTGAGGACG	TAAGTGACGT	CGTTGCGGGC	CACGACCAAGC
	13681	TGCTGTTG	TGTGCACCTC	GCAGCGCATG	TGCCCCCGGT	CCTGGTCTTG	GCTCTGCGAG
	13741	TAGTTGGTGA	TGCGGCTGGC	GTTGGCCGTG	AGCCAC'TTTT	CAATCGTCAG	GCCGGGCTGG
	13801	TGTGTCAGCC	GTCGGTATT	GTCAAAC	TTGACCGACA	CGAACGTAAG	CACGGGAGG

	13861	GTGAACACGA	CGAACTCCCC	CTCACGGGTC	ACCTTCAGGT	AGGCGTGGAG	CTTGGCCATG
	13921	TACCGCCTCA	CCTCTTTGTG	GGAGGAGAAC	AGCCGCGTCC	AGCCGGGGAG	GTTGGCGGGG
	13981	TTGGTGATGT	AGTTTTCGG	GACGACGAAG	CGATCCACGA	ACTGCATGTG	CTCCTCGGTG
5	14041	ATGGGCAGGC	CGTACTCCAG	CACCTTCATG	AGGTTACCGA	ACTCGTGCTC	GACGCACCCT
	14101	TTGTTGTTAA	TAAAAATGGC	CCAGCTATAAC	GAGAGGCCGG	CGTACTCGCG	CAGCGTGCAG
	14161	TTGCAGATGA	GGTACGTGAG	CACGTTCTCG	CTCTGGCGGA	CGGAACACCG	CAGTTTCTGG
	14221	TGCTCGAAGG	TCGACTCCAG	GGACGCCGTC	TGCGTCGGCG	AGCCCACACA	CACCAACACG
	14281	GGCCGCAGGC	GGGCCGCGTA	CTGGGGGGTG	TGGTACAGGG	CGTTAATCAT	CCACCAAGCAA
	14341	TACACCACGG	CCGTGAGGAG	GTGACGCCA	AGGAGGCCGG	CCTCGTCGAT	GACGATCACG
10	14401	TTGCTGCGGG	TAAAGGCCGG	CAGGCCCGG	TGGGTGGCCG	GGGCAACCCG	CGTCAGGGCG
	14461	CCCTCGGCCA	ACCCCCAGGGT	CCGTTCCAGG	GCAGGCCAGGG	CGCGAAACCTC	GTTCCGCAAC
	14521	TCCTCGCCCC	CGGAGGCCGGC	CAGGGCGCGC	TTCGTGAGGT	CACAAATCAC	CTCCCAGTAG
	14581	TACGTCAAGAT	CTCGTCGCTG	CAGGTCTCC	AGCGAGGCCG	GGTTGCTGGT	CAGGGTGTAC
	14641	GGGTACTGTC	CCAGTTGGGC	CTGGACGTGA	TTCCCGCGAA	ACCCAAATTG	ATGAAAGATG
15	14701	GTGTTGATGG	GTGCGCTGAG	AAAGGCGCCC	GAGAGTTGG	CGTACATGTT	TTGGGCCGCA
	14761	ATGCGCGTGG	CGCCCGTCAC	CACACAGTCC	AAGACCTCGT	TGATTGTCCTG	CACGCACGTG
	14821	CTCTTCCGG	AGCCAGCGTT	GCCGGTGATA	AGATAACACCG	CGAACGGAAA	CTCCCTGAGG
	14881	GGCAGGCCCTG	CGGGGGACTC	TAAGGCCGCC	ACGTCCCGA	ACCACTGCAG	ATGGGGCACT
	14941	TGCGCTCCGT	CGAGCTGTTG	TTGCGAGAGC	TCTCGGATGC	GCTTAAGGAT	TGGCTGCACC
20	15001	CCGTGCATAG	ACGTAAAATT	TAAAAAGGCC	TCGGCCCTCC	CTGGAACGGC	TGGTCGGTCC
	15061	CCGGGTTGCT	GAAGGTGCGG	CGGGCCGGGT	TTCTGTCCGT	CTAGCTGGCG	CTCCCCGCGG
	15121	GCCGCGGCCA	TGACCGCACC	ACGCTCGCGG	GCCCCCACTA	CGCGTGCAGCG	GGGGGACACG
	15181	GAAGCGCTGT	GCTCCCCCGA	GGACGGCTGG	GTAAAGGTTG	ACCCCAGCCC	CGGTACGATG
	15241	CTGTTCCCGC	AGATTCTCCA	CGGGCAGCTG	GGGTATAACCG	AGGGCCAGGG	GGTGTACAAC
25	15301	GTGTCGGGT	CCAGCGAGGC	GACCACCCGG	CAGCTGCAGG	CGCGGATCTT	TCACCGCCTC
	15361	CTCAACGCCA	CCACTTACCG	GGACCTCGAG	CGGGACTGGC	TCGGCCACGT	GGCGGCCCGC
	15421	GGTCTGCAGC	CCCAACGGCT	GGTTGCGCCG	TACAGGAACG	CCCGGGGAGGC	GGATATCGCC
	15481	GGGGTGGCCG	AGCGGGGTGTT	CGACACGTGG	CGGAACACGC	TTAGGACGAC	GCTGCTGGAC
	15541	TTTGCCACG	GGTTGGTCGC	CTGCTTGCG	CCGGGCGGCC	CGAGCGGCC	GTCAAGCTTC
30	15601	CCCAAATATA	TCGACTGGCT	GACGTGCCTG	GGGCTGGTCC	CCATATTACG	CAAGCGACAA
	15661	GAAGGGGGTG	TGACGCAGGG	TCTGAGGGCG	TTTCTCAAGC	AGCACCCGCT	GACCCGCCAG
	15721	CTGGCCACGG	TCGCGGAGGC	CGCGGAGCGC	GCCGGCCCCG	GGTTTTTTGA	GCTGGCGCTG
	15781	GCCTTCGACT	CCACGCGCGT	GGCGGACTAC	GACCGCGTGT	ATATCTACTA	CAACCACCGC
	15841	GGGGGCGACT	GGCTCGTGC	AGACCCCCATC	AGCGGGCAGC	CGGGAGAATG	TCTGGTGTGCTG
35	15901	TGGCCCCCCT	TGTGGACCGG	GGACCGTCTG	GTCTTCGATT	CGCCCGTCCA	GCGGCTGTTT
	15961	CCCAGAGATCG	TCGCGTGTCA	CTCCCTCCGG	GAACACGCGC	ACGTCTGCG	GCTGCGCAAT
	16021	ACCGCGTCG	TCAAGGTGCT	GCTGGGGCGC	AAGAGCGACA	GCGAGCGCGG	GGTGGCCGGT
	16081	GCGCGCGGG	TCGTTAACAA	GGTGTGGGG	GAGGACGACG	AGACCAAGGC	CGGGTCGGCC
	16141	GCCTCGCGCC	TCGTGCGCT	TATCATCAAC	ATGAAGGGCA	TGCGCCACGT	AGGGACACATT
40	16201	AACGACACCG	TGCGTTCTA	CCTCGACGAG	GCCGGGGGGC	ACCTGATAGA	CGCCCCGGCC
	16261	GTGACGGTA	CCCTCCCTGG	ATTGGCAAG	GGCGGAAACA	GCCGCGGGTC	TGCGGGCCAG
	16321	GACCAGGGGG	GGCGGGCGCC	GCAGCTTCGC	CAGGCCCTTC	GCACGGCCGT	GGTTAACAAAC
	16381	ATCAACGGCG	TGTTGGAGGG	CTATATAAT	AACCTGTTG	GAACCATCGA	GCGCTGCGC
	16441	GAGACCAACG	CGGGCCTGGC	GACCCAATTG	CAGGAGCGCG	ACCGCGAGCT	CGGGCGCGCA
45	16501	ACAGCGGGGG	CCCTGGAGCG	CCAGCAGCGC	GCGGCCGACC	TGGCGGCCGA	GTCCGTGACC
	16561	GGTGGATGCG	GCAGCCGCC	TGCGGGGGCG	GACCTGCTCC	GGGCGGACTA	TGACATTATC
	16621	GACGTCAAGCA	AGTCCATGGA	CGACGACACG	TACGTCGCCA	ACAGCTTCA	GCACCCGTAC
	16681	ATCCCTTCGT	ACGCCCAGGA	CCTGGAGCGC	CTGTCGCC	TCTGGGAGCA	CGAGCTGGTG
	16741	CGCTGTTTA	AAATTCTGTG	TCACCGCAAC	AACCAGGGCC	AAGAGACGTC	GATCTCGTAC
50	16801	TCCAGCGGGG	CGATCGCCG	ATTGTCGCC	CCCTACTTTG	AGTCAGTGCT	TCGGGCCCCC
	16861	CGGGTAGGCG	CGCCCACATC	GGGCTCCGAT	GTCATCCTGG	GGGAGGAGGA	GTTATGGGAT
	16921	GCGGTGTGTTA	AGAAAACCCG	CCTGAAACAG	TACCTGACAG	ACATCGCGC	CCTGTTGCTG
	16981	GCGGACGTCC	AGCACCGCAGC	GCTGCCCGG	CCCCCTCCC	CGGTGGCGGC	CGATTTCGGG
	17041	CCCAGCGCGT	CCCCCGGGGG	CCGGTCCAGA	TCGCGGTC	CCGGAAGAAC	TGCGCGAGGC
55	17101	GCGCCGGGACC	AGGGCGGGGG	CATCGGGCAC	CGGGATGGCC	GCGCGACGG	CCGACGATGA
	17161	GGGGTGCAGGCC	GCCACCATCC	TCAAGCAGGC	CATCGCCGGG	GACCGCAGCC	TGGTCGAGGC
	17221	GGCCGAGGCG	ATTAGCCAGC	AGACGCTGCT	CCGCCTGGCC	TGCGAGGTTG	GCCAGGTCGG
	17281	CGACCCGCCAG	CCGCGGTTTA	CCGCCACCAAG	CATCGCGCGC	GTCGACGTCG	CGCCTGGGTG
	17341	CCGGTTGCAG	TTCGTTCTGG	ACGGGAGTCC	CGAGGACGCC	TATGTGACGT	CGGAGGATTA

	17401	CTTTAAGCGC	TGCTGCGGCC	AGTCCAGTTA	TCGC GGCTTC	GCGGTGGCGG	TCCTGACGGC
	17461	CAACGAGGAC	CACGTGCACA	GCCTGGCCGT	GCCCCCCCCTC	GTTCTGCTGC	ACCGGTTCTC
5	17521	CCTGTTCAAC	CCCAGGGACC	TCCTGGACTT	TGAGCTTGCC	TGTCTGCTGA	TGTACCTGGA
	17581	GAACTGCCCG	CGAAGCCACG	CCACCCCGTC	GACCTTGCC	AAGGTTCTGG	CGTGGCTCGG
	17641	GGTCGCGGGT	CGCCGCACGT	CCCCATTCGA	ACGCGTTCGC	TGCCTTTCC	TCCGCAGTTG
	17701	CCACTGGGTC	CTAAACACAC	TCATGTTCAT	GGTGTACGTA	AAACCGTTCG	ACGACGAGTT
	17761	CGTCCTGCC	CACTGGTACA	TGGCCCGGT	CCTGCTGGCC	AACAACCCG	CCCCCGTTCT
	17821	CTCGGCCCTG	TTCTGTGCCA	CCCCGACGAG	CTCCTCATTC	CGGCTGCCGG	GGCCGCC
10	17881	CCGCTCCGAC	TGCGTGGCCT	ATAACCCCGC	CGGGATCATG	GGGAGCTGCT	GGGCGTCGA
	17941	GGAGGTGCGC	GCGCCTCTGG	TCTATTGGTG	GCTTTCGGAG	ACCCCAAAC	GACAGACGTC
	18001	GTCGCTGTTT	TATCAGTTTT	GTTGAATTAA	AGGAAATAAA	CCCGGTTTG	TTTCTGTGGC
	18061	CTCCCACGCG	ATGCGCGTGT	CCTTACTCCG	TCTTGGTGGG	TGGGTGGCTG	TGTATGGCGT
	18121	CCCATCTGTG	CGGGGAGGGG	GGCAAGTCGG	CACGTATTG	GACAGACTCA	AGCACACACG
15	18181	GGGGAGCGCT	CTTGTCTCAG	GGCAATGTTT	TTATTGGTCA	AACTCAGGCA	AACAGAAACG
	18241	ACATCTTGTG	GTCAAAGGG	TACACAAACT	TCCCCCCCCTC	GCCCCATACT	CCCGCCAGCA
	18301	CCCCGGTAAA	CACCAACTCA	ATCTCGCGCA	GGATTCGCG	CAGGTGATGA	GCGCAGTCCA
	18361	CGGGGGGGAG	CACAAGGGG	CGCGGGTATA	GATCGACGGG	GACGCCGACC	GACTCCCCGC
	18421	CTCCGGGACA	GACACGCACG	ACGCGCCGCG	AGTAGTGCTC	TGCGTCCAGC	AAGGGGCCGC
	18481	CGCGGAAGGC	AGTGGGGGGC	AAGGGGTCGC	TGGCCTCAAA	GGGGGACACC	CGAACGCTCC
20	18541	AGTACTCCGC	GTCCAACCAGT	TTATTAAACG	CGTCCAAGAT	AAGGGGTCG	CAGGCGTCCT
	18601	CCATAAGGCC	CCGGGCGGTG	AGTGCCTCCT	CCTCCGGCAC	GCATGCCGTT	GTCAGGCCA
	18661	GGACCCGTG	CAGCGTGTG	CGTACGACCC	CTGCGCCGT	GGTGTACGCG	GGCCCGCGGA
	18721	GAGGAAATCC	CCCAAGATGG	TCAGTGTGTT	CGCGGGAGTT	CCAGAACAC	ACTCCCCT
	18781	GGCTCCAGGC	GAUTGCCTG	GTGTAGACGC	CCTCGAGGGC	CAGGCACAGT	GGGTGCGC
25	18841	GCCGGACGGC	GTTGGCCCTA	AGCACGGCTC	CCACGGCCGT	CTCGATGGCC	CGCCGGCGT
	18901	CCTCGATCAC	CCCGGAAGCC	GCATCCGCGT	CTTGGGGGTC	CACGTTAAAG	ACACCCAGA
	18961	ACGCACCCCC	ATCGCCCCCG	CAGACCGCGA	ACTTCACCGA	GCTGGCCGTC	TCCTCGATCT
	19021	GCAGGCAGAC	GGCGGCCATT	ACCCCCACCCA	GGAGCTGCCG	CAGCGCAGGG	CAGGCCTTGC
	19081	ACGTGTCCGG	GACCAGGCGC	TCCAAAGACGG	CCCCGGCCCA	GGGCTCTGAG	GGAGCGGCCA
30	19141	CCACCAGCGC	GTCCAGTCTT	GCTAGGCCCC	TCCGGCCGTG	GGGGTCCGCC	AGCCCGCTCC
	19201	CCCCGAGGTC	GGCCAGGGCC	GCCAGGAGCT	GGGGCGGAAG	TCCGGGGAAAG	AAAACCGCG
	19261	CCGTCCAGAC	GGGGCCGACG	GCCCGGGCG	GGTCTAACAG	TTGGATGATT	TTAGTGGCGG
	19321	GATGCCACCG	CGCCACCGCC	TCCCGCACCG	CGGGCAGGAG	GCATCCGGCT	GCCGCCGAGG
	19381	CCACGCCGGG	CCAGGCTCGC	GGGGGGAGGA	CGACCCCTGGC	CCCCACCGCG	GGCCAGGCC
35	19441	CCAGGAGCGC	GGCGTAAGCG	GGCGCGGCC	CGCGCACAG	GTCCCCTGCC	GACTCGGCC
	19501	TGGCCGGCAC	GGTGAACGTG	GGCCAACCCCG	GAAACCCAG	GACGGCAAAG	TACGGGACGG
	19561	GTCCCCCCCC	GACCTAAAC	TCGGGCCCCA	GAAAGGCAA	GACGGGGGCC	AGGGCCCCCG
	19621	GGGCGGCGTG	GACCGTGGTA	TGCCACTGCC	GGAAAAGGGC	GACGAGGCC	GGCGCGGAGA
	19681	ACTTCTGCC	GGCGCTTACA	AAGTAGTCGT	AATCGGGGG	CAGCAGCACC	CGTCCCGTGA
40	19741	CTCGTTGCGG	GTGCGCGGT	GGCCGCAGGC	CCACCTCGCA	CACCTCGACC	AGGTCCCCGA
	19801	ACGCGCCCTC	CTTCTTGATC	GGCGGAAACCG	CAAGAGTCTG	GTATTGCGC	GCAAATAGCG
	19861	CGGTTCCGGT	GGTGATGTTA	ACGGTCAGCG	AAGCGCGGA	CGCGCACTGG	GGGGTGTGCG
	19921	GAATGGCCGC	CAGGCGGCC	CACGCCAGCC	GCGCGTCGGG	ATGCTCGGC	ACGCGCGCC
	19981	CCAGGGCCAT	AGGGTCGATG	TCAATGTTGG	CCTCCCGAC	CAGGAGAGCG	GCGCGAGGGG
45	20041	CGGCGGGCGG	GCCCCACGAC	GCTCTCTAA	CTTCACAC	CAGTCCCGTG	CGTGGGTCCG
	20101	AGCCGATACG	CAGCGGGCG	AAACAGGGCA	CCGGCCCGGT	CTGGCGCTCC	AGGGCCGCCA
	20161	GGACGCACGC	GTACAGCGCC	CGCCACAGAG	TCGGGTTCTC	CAGGGGCTCC	AGCGGGGAGG
	20221	CGGCCGGCGT	CGTCGCGCG	CGGGCGGCC	CCACGACGGC	CTGGGACGGAG	ACGTCCCGGG
	20281	AGCCGTAGAA	ATCCCACG	TCCGTCGCG	TGACGGAGAC	CTCCGCAAAG	CGCGCGCGAC
50	20341	CCTCCCCCTGC	GGCGTTGCGA	CATACAAAAT	ACACCAGGGC	GTGGAAGTAC	TCGCGAGCGC
	20401	GGGGGGGCAG	CCATACCGCG	TAAAGGGTAA	TGGCGCTGAC	GCTCTCCTCC	ACCCACACGA
	20461	TATCTGCGGT	GTCCATCGCA	CGGCCCCCTAA	GGATCACGGG	CGGTCTGTGG	GTCCCATGCT
	20521	GCCGTGCGCTG	GCCGGGGCC	GTGGGTCGCG	GAAACCGGTG	ACGGGGGGGG	GGCGGTTTT
	20581	GGGGTTGGGG	TGGGGTGGG	AAACGGCCCG	GGTCCGGGG	CCAACCTGGC	CCCTCGGTGC
55	20641	GTTCCGGCAA	CAGCGCCGCC	GGTCCCGGGA	CGACCACGTA	CCGAACGAGT	GCGGTCCCGA
	20701	GACTTATAGG	GTGCTAAAGT	TCACCGCCCC	CTGCATCATG	GGCCAGGCC	CGGTGGGGAG
	20761	CTCCGACAGC	GCCGCCTCCA	GGATGATGTC	AGCGTTGGGG	TTGGCGCTGG	ATGAGTGCCT
	20821	GCGCAAACAG	CGCCCCCACG	CGGGCACGCG	TAGCTGAAG	CGCGCGCCCG	CAAACCTCCCG
	20881	CTTGTGGGCC	ATAAGCAGGG	CGTACAGCTG	CCTGTGGTC	CGGCAGGCC	TGTGGTCGAT

	20941	GTGGTGGGCG	TCCAACAACC	CCACGATTGT	CTGTTGGTG	AGGTTTTAA	CGCGCCCCGC
	21001	CCCGGGAAAC	GTCTCGTGC	TTTGGCCAT	CTGCACGCCA	AACAGTCGC	CCCAGATTAT
	21061	CTTGAACAGC	GCCACCGCGT	GGTCCGTCTC	GCTAACGGAC	CCGCGCGGGG	GACAGCGCT
5	21121	TAGGGCGTCG	GCGACGCGCT	TGACGGCTTC	CTCCGAGAGC	AGAAGTCCGT	CGGTTACGTT
	21181	ACAGTGGCCC	AGTCGAACA	CCAGCTGCAT	GTAGCGGTG	TAGTGGGGG	TCAGTAGGTC
	21241	CAGCACGTCA	TCGGGGCCGA	AGGTCCCTCCC	AGATCCCCG	CCCGCGAGT	CCCAATGCAG
	21301	GCGCGCGGCC	ATGGTGTGTC	ACAGGCACAA	CAGCTCCAG	ACGGGGGTTA	CGTTCAGGGT
	21361	GGGGGGCAGG	GCCACGAGCT	CCAGCTCTCC	GGTGACGTTG	ATCGTGGGGA	TGACGCCGT
10	21421	GGCGTAGTGG	TCATAGATCC	GCCGAAATAT	GGCGCTGCTG	CGGGTGGCCA	TGGGAACGCG
	21481	GAGACAGGCC	TCCAGCAACG	CCAGGTAAT	AAACCGCGTG	CGTCCCACATCA	GGCTGTTGAG
	21541	GTTGCGCATG	AGCGCGACAA	TTTCCGCCGG	CGCGACATCG	GACCGGAGGT	ATTTTCGAC
	21601	GAAAAGACCC	ACCTCCTCCG	TCTCGGCCGG	CTGGGCCGGC	AGCGACGCCT	CGGGATCCCG
	21661	GCACCCGAGC	TCCCCTAGAT	CGCGCTGGGC	CCTGAGGGCG	TCGAAATGTA	CGCCCCGCAA
15	21721	AAACAGACAG	AAGTCCTTG	GGGTCAGGGT	ATCGTCGTGT	CCCCAGAAGC	GCACGCGTAT
	21781	GCAGTTTAGG	GTCAGCAGCA	TGTGAAGGAT	GTAAAGGCTG	TCCGAGAGAC	ACGCCAGCGT
	21841	GCATCTCTCA	AAGTAGTGT	TGTAACGGAA	TTTGTGTTAG	ATGCGCGACC	CCCGCCCCAG
	21901	CGACGTGTCG	CATGCCGACG	CGTCACAGCG	CCCCTGAAAC	CGCGACACAA	GCAGGTTTGT
	21961	GACCTGGGAG	AACTGCGCGG	GCCACTGGCC	GCAGGAACCTG	ACCACGTGAT	TAAGGAGCAT
20	22021	GGGCGTAAAG	ACGGGCTCCG	AGCGCGCCCC	GGAGCCGTCC	ATGTAAATCA	GTAGCTCCCC
	22081	CTTGCAGGAGG	GTGCGCACCC	GTCCCAGGGG	CTGGTACACG	GACACCATGT	CCGGTCCGTA
	22141	GTTCATGGGT	TTCACTGAGG	CGAACATGCC	ATCAAAGTGC	AGGGGATCGA	AGCTGAGGCC
	22201	CACGGTTACG	ACCGTCGTGT	ATATAACCAC	GCGGTATTGG	CCCCACGTGG	TCACGTCCCC
	22261	GAGGGGGGTG	AGCGAGTGA	GCAACAGCAC	GCGGTCCGTA	AACTGACGGC	AGAACCGGGC
25	22321	CACGATCTCC	GCGAAGGAGA	CGTCTGACGA	AAAAATGCAG	ATGTTATCGC	CCCCGCCAAG
	22381	GCGCCCTTCC	AGCTCCCCAA	AGAACGTGGC	CCCCCGGGCC	TCCGGAGAGG	CGTCCGGAGA
	22441	CGGGCCGCTC	GGCGGCCCGG	GCGGGCGCAG	GGCAGCCTGC	AGGAGCTCGG	TCCCCAGACG
	22501	CGGGAGAAC	AGGCACCGGGC	GCGCCGAAAA	CCCGGGCATG	GCGTACTCGC	CGACCACAC
	22561	ATGCACTGTT	TTTCGCCCGC	GGAGACCGCA	CAGGAAGTCC	ACCAACTGCG	CGTGGCGGT
30	22621	TGCGTCCATG	GCGATGATCC	GAGGACAGAT	GCGCAGCAGG	CGTAGCATT	ACGCATCCAC
	22681	GCGGCCCACT	TGCTGCATCG	TTGGCGAATA	GAGCTGGCCC	AGCGTCGACA	TAACCTCGTC
	22741	CAGAACGAGG	ACGTCGTAGT	TGTTCAGAAG	GTTGGGGCCC	ACGCGATGAA	GGCTTTCCAC
	22801	CTGGACGATA	AGTCGGTGG	AGGGGCGGTG	GTTCATATAATG	TAATTGGTGG	ATGAGAAGTA
	22861	GGTGACAAAG	TCGACCAGGC	CTGACTCAGC	GAACCGCGTC	GCTAGGGTCT	GGGTAAGACT
35	22921	CCGACGACAG	GAGACGACGA	GCACACTCGT	GTCCGGAGAG	TGGATCGOTT	CCCGCAGCCA
	22981	GCGGATCAGC	GCGGTAGTT	TTCCGACCC	CATTGGCGCG	CGGACCAACAG	TCACGCACCT
	23041	GGCCGTGGGG	GCGCTCGCGT	TGGGGAGGT	GACGGGTCCG	TGCTGCTGCC	GCTCGATCGT
	23101	TGTTTCGGG	TGAACCCGGG	GCACCCATT	GGCCAAATCC	CCCCCGTACA	ACATCCGCGC
	23161	TAGCGATACG	CTCGACGTGT	ACTGTTCGCA	CTCGTCGTCC	CCAATGGGAC	GCCCCGGCCCC
40	23221	CAGAGGATCT	CCCGACTCCG	CGCCCCCCCAC	GAAAGGCATG	ACCGGGGGCGC	GGACGGCGTG
	23281	GTGGGTCTGG	TGTGTGCA	TGGCGACGTT	TGTGGTCTCT	CGGGTCTGCC	TCACGGGGCT
	23341	CCTCGTCTG	GCCTCTGTG	TCCGGGCACG	TTTTCCTG	TTTTACGCCA	CGCGAGCTC
	23401	TTATGCCGGG	GTGAACCTCA	CGGCCGAGGT	GCGCGGGGGT	GTAGCGTGC	CCCTCAGGTT
	23461	GGACACGCAG	AGCCTTGTGG	GCACCTATGT	AATCACGGCC	GTGTTGTTGT	TGGCCGTGGC
45	23521	CGTGTATGCC	GTGGTCGGCG	CCGTGACCTC	CCGCTACGAC	CGCGCCCTGG	ACGGGGGCCG
	23581	CCGCTCTGGCT	GCGGCCCGCA	TGGCCATGCC	GCACGCCACG	CTGATCGCCG	GAAACGTCTG
	23641	CTCTTGGTTG	CTGCAGATCA	CCGTCTGTG	GCTGGCCCAT	CGCATCAGCC	AGCTGGCCCA
	23701	CCTGGTTTAC	GTCCCTGCACT	TTGCGTGTCT	GGTGTATT	GGGGCCCAT	TTTGCACCA
	23761	GGGGGGCTCG	AGCGGGACGT	ATCTGCGTCA	GGTGCACGGC	CTGATGGAGC	TGGCCCCGAC
50	23821	CCATCATCGC	GTGCGTGGCC	CGGCTCGCG	CGTGTGACA	AACGCCCTGC	TGTTGGCGT
	23881	CTTCCTGTGC	ACGGCCGACG	CCGCGGTATC	CCTGAATACC	ATCGCCCGT	TCAACTTTAA
	23941	TTTTTCGGCC	CGGGGCATGC	TCACTGCCT	GACCGTGCTG	TTCGCCATTC	TCGTCGTATC
	24001	GCTGTTGTTG	GTGGTCGAGG	GGGTGTTG	TCACTACGTG	CGCGTGTGTTG	TGGGCCCCCA
	24061	CCTGGGGGCC	GTGGCCGCCA	CGGGCATCGT	CGGCCCTGGCC	TGCGAGCAGT	ATTACACCA
55	24121	CGGCTACTAC	GTGTTGGAGA	CGCAGTGGCC	GGGGGCTCAG	ACGGGAGTCC	ACGCGATCTC
	24181	CGCCCTGGTC	GCCGCCTTTG	CCCTCGGCAT	GGCCGTGCTC	CGCTGCACCC	GCGCCTATCT
	24241	GTATCACAGG	CGGCACCAACA	CCAAATTTT	TATGCGCATG	CGCGACACGC	GACACCGCGC
	24301	ACATTCCGCC	CTCAAGCGCG	TACGCACTTC	CATGCGCGGA	TGCGAGACG	GCCGCCACAG
	24361	GCCCCCACCC	GGCAGCCCGC	CCGGGATTCC	CGAATATGCG	GAAGACCCCT	ACGCGATCTC
	24421	ATACGGCGGC	CAGCTCGACC	GGTACGGAGA	TTCCGACGGGG	GAGCCGATT	ACGACGAGGT

	24481	GGCGGACGAC	CAAACCGACG	TATTGTACGC	CAAGATACAA	CACCCGCGGC	ACCTGCCCGA
	24541	CGACGATCCC	ATCTATGACA	CCGTTGGGGG	GTACGACCCC	GAGCCCGCCG	AGGACCCCCGT
	24601	GTACAGCACC	GTCCGCCGT	GGTAGCTGTT	TGGTCCGTT	TTAATAAAC	GTGGTGTGTT
5	24661	AACCCGACCG	TGGTGTATGT	CTGGTGTGTG	GCGTCCGATC	CCGTTACTAT	CACCGTCCCC
	24721	CCCCCCCCCT	CAACCCGGC	GATTGTGGGT	TTTTAAAAAA	CGACACCGGT	GCGACCGTAT
	24781	ACAGAACATT	GTGTTGGTT	TTATTGCTA	TCGGACATGG	GGGGTGGAAA	CTGGGTGGCG
	24841	GGGCAGGC	CTCCGGGGGT	CCGCCGGTGA	GTGTGGCGC	AGGGGGGGTC	CGATGAACGC
10	24901	AGGCCTGTC	TCCCCGGGC	CCCGCTAAC	CCGCGCATAT	CCGGGGGCAC	GTAGAAATT
	24961	CCTTCCTCTT	CGGACTCGAT	ATCCACGACG	TCAAAGTCGT	GGCGGGTCAG	CGAGACGACC
	25021	TCCCCGTCGT	CGGTGATGAG	GACGTTGTTT	CGGCAGCAGC	AGGGCCGGGC	CCCAGGAGAAC
	25081	GAGAGGCCA	TAGCTCGCG	AGCGTGTGCGT	CGAATGCCAG	GGGGCTGCTT	CGCTGGATGG
15	25141	CCTTATAGAT	CTCCGGATCG	ATGCGGACGG	GGGTAATGAT	CAGGGCGATC	GGAACGGCCT
	25201	GGTTCGGGAG	AATGGACGCC	TTGCTGGGT	CTGCGGCC	GAGAGCCCCG	GCGCCGTCCT
	25261	CCAGGGCGAA	CGTTACGCC	TCCTCCGCG	TGGTGCCTG	CCTGCCGATA	AACGTCACCA
	25321	GATGCGGTG	GGGGGGGCAG	TCGGGGAAGT	GGCTGTCGAG	CACGTAGCCC	TGCACCAAGA
	25381	TCTGCTTAAA	GTTCGGGTGA	CGGGGGGTTCG	CGAAGACGGG	CTCGCGGCCG	ACCAGATCCC
	25441	CGGAGCTCCA	GGACACGGGG	GAGATGGTGT	GGCGTCCGAG	GTGGGGGGCG	CCAAACAGAA
	25501	GCACCTCCGA	GACAACGCCG	CTATTTAACT	CCACCAAGGC	CCGATCCGCG	GCGGAGCACCC
20	25561	GCCTTTTTTC	GCCCCGAGCG	TGGGCCTCTG	ACCAGGCCTG	GTCTTGCCTG	ACGAGAGCCT
	25621	CCTCCGGGCC	GGGGACGCC	CCGGGCGCGA	AGTATCGCAC	GCTGGGCTTC	GGGATCGACC
	25681	GGATAAAATGC	CCGGAACGCC	TCCGGGGACC	GGTGTGCCAT	CAAGTCCTCG	TACGCGGAGG
	25741	CCGTGGGGTC	GCTGGGGTCC	ATGGGGTCGA	AAGCGTACTT	GGCCCGGGCAT	TTGACCTCGT
	25801	AAAAGGCCAG	GGGGGTCTTG	GGGACTGGGG	CCAGGTAGCC	GTGAATGTCC	CGAGGACAGA
25	25861	CGAGAATATC	CAGGGACGCC	CCGACCATCC	CCGTGTGACC	GTCCATGAGG	ACCCACACAG
	25921	TATGACGTT	CTCTTCGGCG	AGGTGCGCTGG	GTTCGTGGAA	GATAAAGCGC	CGCGTGTGCG
	25981	CGCCGGCCTC	GCGGCCGTCG	TCCGCGCGC	CCACGCACTA	GCGAAACAGC	AGGCTTCGGG
	26041	CCGTCGGCTC	GTTCACCCGC	CCGAACATCA	CCGCGGAAGA	CTGTACATCC	GGCCGCAAGGC
	26101	TGGCGTTGTC	CTTCAGGCC	TGGGGCGAGA	AACACGGACC	CTGGGGGCC	CAGCGGAGGG
30	26161	TGGATGCGGT	CGTGAGGCC	CGCCGGAGCA	GGGCCCCATAG	CTGGCAGTCG	GCCTGGTTTT
	26221	GCGTGGCCGC	CTCGTAAAC	CCCATGAGGG	GCCGGGGCGC	CACGGCGTCC	GCGGCGGCCG
	26281	GGGGCCCGCG	GCGCGTCAGG	CGCCATAGGT	GCCGACCGAG	TCCGCGGTCC	ACCATACCCG
	26341	CCTCCTCGAG	GACCACGGCC	AGGGAACACA	GATAATCCAG	GCGGGCCCGAG	AGGGGACCGA
	26401	TGGCCAGAGG	GGCGCGGACG	CCGCGCAGCA	ACCCGGCGAG	GTGGCGCTCG	AACGTCCTCG
35	26461	CTAGTATATG	GGAGGGCAGC	CGCTTGGGG	TCACCGACGC	CGACCCACATA	GAGTCAGGTT
	26521	CCGGGGAGTC	GGGATCGCG	TCCGGGTGCG	GGCGTGGGT	GCCCCCAGGA	GATAGCGGAA
	26581	TGTCTGGGGT	CGGAGGCC	GAGGCGTCAG	AAAGTGCCG	CGACGCGGCC	CGGGGCTTT
	26641	CGTCTGCGGT	GTCGGTGGCG	TGCTGATCAC	GTGGGGGGTT	ACCGGGCGAA	TGGGAGCTCG
	26701	GGTCCACAGC	TGATGTCGTC	TGGGGTGGGG	GGGGCAGGGG	ACGGAAGGTG	GTTGTCAGCG
40	26761	GAAGACTGTT	AGGGCGGGGG	CGCTTGGGG	GGCTGTCGG	GCCACGAGGG	GTGTCTCGG
	26821	CCAGGGCCCA	GGGACGCTTA	GTACACGGTGC	GTCCCCGGCG	ACATGCTGGG	CCTACCGTGG
	26881	ACTCCATTTC	CGAGACGACG	TGGGGGGAGC	GGTGGTTGAG	CGCGCCGCCG	GGTGAACGCT
	26941	GATTCTCACG	ACAGCGCGT	CCGCGCGC	GGGTTGGTGT	GACACAGGCG	GGACACCAGC
	27001	ACCAGGAGAG	GCTTAAGCTC	GGGAGGCAGC	GCCACCGACG	ACAGTATCCG	CTTGTGTGTT
	27061	TGCTGGTAAT	TTATACACCG	ATCCGTAAAC	GCGCGCCGAA	TCTTGGGATT	GCGGAGGTGG
45	27121	CGCCGGATGC	CCTCTGGAC	GTCATACGCG	AGGCCGTGG	TGTTGGTCTC	GGCCGAGTTG
	27181	ACAAACAGGG	CTGGGTGCG	CACCGAGCGA	TAGGCGAGCA	GGGCCAGGGC	GAAGTCCGGC
	27241	GACAGCTGGT	TGTTAAATA	CTGGTAACCG	GGAAACCGGG	TCACGGGTAC	GCCCAGGCTC
	27301	GGGGCGACGT	ACACGCTAAC	CACCAACTCC	AGCAGCGTCT	GGCCCAGGGC	GTACAGGTCA
	27361	ACCGCTAAC	CGACGTGCG	CTTCAGGCC	TGGTTGGTAA	ATTCGGCCG	TTCGTTGTTA
50	27421	AGGTATTTC	CCAACAGCTC	CGGGGGCTGG	TTATACCCGT	GACCCACCA	GGTGTGAAAG
	27481	TTGGCTGTGG	TTAGGGCGGT	GGGCATGCCA	AACATCCGGG	GGGACTTGAG	GTCCGGCTCC
	27541	TGGAGGCAA	ACTGCCCG	GGCGATCGT	GAGTTGGAGT	TGAGGGTGAC	GAGGCTAAAG
	27601	TCGGCGAGGA	CGGCCGCC	GAGCGAGACG	GCGTCCGACC	GCAGCATGAC	GAGGATGTTG
	27661	GCGCACTTGA	TATCCAGGTG	GCTGATCCC	CAGGTGGTGT	TTAAAAACAC	AACGGCGCGG
55	27721	GCCAGCTCG	TGAAGCAGT	GTGGAGGGCC	GTCGAGACCG	AGGGGTTTGT	TGTGCGCAGG
	27781	GACGCCAGTT	GGCCGATATA	CTTACCGAGG	TCCATGTCGT	ACCGGGGGAA	CACTATCTGT
	27841	CGTTGTTGCA	GCGAGAACCC	GAGGGCGCG	ATGAAGCCG	GGATGTTGTC	GGTGCAGGCCG
	27901	GCGCGTAGAA	CGCACTCCC	GACCAACAGG	GTCGCGATGA	GCTCAACGGC	AAACCACCTC
	27961	TTTCCTTTA	TGGTCTAAC	GGCAAGCTTA	TGTTCGCGAA	TCAGTTGGAC	GTCACCGTAT

	28021	CCCCCAGACC	CCCGAAGCT	TCGGGCCCG	GGGATCTCGA	GGGTCTGTA	GTGTAGGG CG
	28081	GGGTTGATGG	CGAACACCGG	GCTGCATAGC	TTGCGGATGC	CGTGAGGGT	GAGGATGT GC
5	28141	GAGGGGGACG	AGGGGGGTGC	GGTTAACGCC	GCCTGGATC	TGCGCAGGGG	CGGGCGGT TC
	28201	AGTTTGGCCG	CCGTACCGGG	CGTCTCGGGG	GACGCGCCG	GATGAGACGA	GC GGCTCA TT
10	28261	CGCCATCGGG	ATAGTCCCGC	GCGAAGCCGC	TCGCGGAGGC	CGGATCGGTG	GC GGGGACC CG
	28321	TGGGAGGAGC	GGGAGACGGC	GGCGTCCTGG	AGAGAGGGC	CGCTGGGCG	CCC GGAGG CC
	28381	CCGTGGGGGT	TGGAGTGTAC	GTAGGATGCG	AGCCAATCCT	TGAAGGACCG	TTGGCGTG CA
	28441	CCTTGGGGGC	TGAGGTTAGC	TGCCACATGA	CCAGCAGGTC	GCTGTCTGCG	GGACTCAT CC
15	28501	ATCCCTCGGC	CAGGTCGCCG	TCTCCCCACA	GAGAAGCGTT	GGTCGCTGCT	TCCTCGAG TT
	28561	GCTCCTCTG	GTCCGCAAGA	CGATCGTCCA	CGGCGTCCAG	GCGCTCACCA	AGCGCCGG AT
	28621	CGAGGTACCG	TCGGTGTGCG	GTAGAAAGT	CACGACGCCG	CGCTTGCTCC	TCCACCGC AA
	28681	TTTTAACACA	GGTCGCGCGC	TGTCCCATCA	TCTCTAACCG	CGCGCGGGAC	TTTAGCCG CG
	28741	CCTCCAATT	CAAGTGGGCC	GCCTTGCA	CCATAAAAGC	GCCAACAAAC	CGAGGATC TT
20	28801	GGGTGCTGAC	GCCCTCCCGG	TGCAGCTGCA	GGGTCTGGTC	CTTGTAAATC	TCGGCTCG GA
	28861	GGTGCCTCTC	GGCCAGGGCGT	CGGCCAGGG	CCCGTGGGC	GGCATCTCGG	TCCATTCC GC
	28921	CACCCCTGCGG	GCGACCCGGG	GGGTGCTCTG	ATAGTCTCGC	GTGCCAAGG	CCC GTGAT CG
	28981	GGGTACTTCG	CCGCCGCGAC	CCGCCACCCG	GTGTGCGCA	TGTTTGGTCA	GCAGCTGG CG
	29041	TCCGACGTCC	AGCAGTACCT	GGAGCGCTC	GAGAAACAGA	GGCAACTTAA	GGTGGCG CG
	29101	GACGAGGCGT	CGGCGGGCCT	CACCATGGGC	GGCGATGCC	TACGAGTGC	CTTTTTAG AT
25	29161	TTCGCGACCG	CGACCCCCAA	GCGCCACCAG	ACCGTGGTCC	CTGGCGTC	GACGCTCC AC
	29221	GA C T G C G G	AGCACTCGCC	GCTCTTCTCG	GCCGTGGCG	GGCGGCTGCT	GTTTAATA GC
	29281	CTGGTGCCGG	CGCAACTAAA	GGGGCGTGAT	TTCGGGGCG	ACCACACGGC	CAAGCTGG AA
	29341	TTCCTGGCCC	CCGAGTTGGT	ACGGGCGGTG	GCGCGACTGC	GGTTTAAGGA	GTGCGCG CG
	29401	CGGGACGTGG	TGCCTCAGCG	TAACGCC	TATAGCGTTC	TGAATACGTT	TCAGGCC TC
30	29461	CACCGCTCCG	AAGCCTTTCG	CCAGCTGGTG	CACTTTGTG	GGGACTTGC	CCAGCTGC TC
	29521	AAAACCTCCT	TCCGGGCCTC	CAGCCTCAGC	GAGACCACGG	GCCCCCCCCA	AAAACGGG CC
	29581	AAGGTGGACG	TGGCCACCCA	CGGCCGGACG	TACGGCACGC	TGGAGCTGTT	CCAAAAAA TG
	29641	ATCCTTATGC	ACGCCACCTA	CTTTCTGGCC	GCCGTGCTCC	TGGGGGACCA	CGCGGAGC AG
	29701	GTCAACACGT	TCCCTCGTCT	CGTGTGGAG	ATCCCCCTGT	TTAGCGACGC	GGCCGTGC GC
35	29761	CACTTCCGCC	AGCGCGCCAC	CGTGTGGAG	GTCCCCCGC	GCCACGGCAA	GACCTGG TT
	29821	CTGGTGCCCC	TCATCGCGCT	GTGCGTGGCC	TCCCTTCGGG	GGATCAAGAT	CGGCTAC CG
	29881	GCGCACATCC	GCAAGGCGAC	CGAGGCCGGTG	TTTGAGGAGA	TGACGCGCTG	CCTGCGGG GC
	29941	TGGTTCGGTT	CGGCGCGAGT	GGACCACTT	AAAGGGAAA	CCATCTCCTT	CTCGTTTC CG
	30001	GACGGGTCGC	GCAGTACCAT	CGTGTGGAG	TCCAGCCACA	ACACAAACGT	AAGTCCTC TT
40	30061	TTCTTCGCA	TGGCTCTCCC	AAGGGGCC	GGGTGACCC	GACCCACACC	CACCCACCA CA
	30121	CATACACACA	CAACCAGACG	CGGGAGGAAA	GTCTGCC	TGGGCACTGA	TTTTTATT CG
	30181	GGATCGCTT	AGGAGGCCG	GGCAACGGCC	CGGGCAACGG	TGGGGCAACT	CGTAGCA AT
	30241	AGGCGACTGA	TGTACGAAGA	GAAGACACAC	AGGCGCCACC	CGGCGCTGGT	CGGGGGG ATG
	30301	TTGTCCGCGC	CGCACCGTCC	CCCGACGACC	TCTTGAC	GGTCCGTGAT	GCAAGGAC GG
45	30361	CGGGGGGCCT	GCAGCAGGGT	GACCGTATCC	ACGGGATGGC	CAAAGAGAAG	CGGACAC GG
	30421	CTAGCATCCC	CCTGGACCGC	CAGGGTACAC	TGGGCCATCT	TGGCCCACAG	ACACGGG CG
	30481	ACGCAGGGAC	AGGACTCCGT	TACGACGGAG	GAGGCCACA	GTGCGTTGGC	GGAATCG ATG
	30541	TGGGGCGGC	GGGCGCAGGA	CTCGCAGGCC	CCCGGGTGGT	TGGTGTACCT	GGCCAGG GC
	30601	CATCCCAGAT	GGCGGGCCCT	GCTTCCC	GGACAGAGCG	ACCCAGGTC	GCTGTCC ATG
50	30661	GCCCAGCAGT	AGATCTGGC	GCTGGGGAGG	TGCCACCA	GGGGCGGC	CAAGGCGC AG
	30721	CACGCGCCCG	GCTCCGGGGG	GGTCTTCGCG	GGGACCA	GGATCAC	CAGCTCGC CG
	30781	ACCACTGGCT	CCTCCGCGAG	CTGTTGGT	GGTGGTC	GGGTTTC	CGGGGGG GTG
	30841	GCCGCCCGTA	TGCGTGC	CGTGA	CACAGGAGCG	GGGTCAGGGG	GTGCGTC ACG
	30901	CTCGGAGGT	GGACGATCGC	GCAGTAGCGG	CGCTCGGGT	TAAAGAAAAA	GAGGGCA AG
55	30961	AAGGTGTTG	GGGGCAACCG	CAGGCC	GGGCGCGTCA	GATACAGAA	AATCTCGC AG
	31021	AAGAGGGCGC	GCCC	TGGGTTAGGA	AGGGCCACCT	GACACAGAGG	CTCGGTG AGG
	31081	ACCGTTAGAC	ACCGAAAGAT	CTTGA	TCGTC	GAACGACGCG	CCACACAA AG
	31141	ACGGAGTTGA	CAATCGCGC	GATAGAGTC	ACGTCC	CCAGGTGTC	GACTCTA TCG
	31201	CGCGTGC	GAGCTCC	CCGGGAATCC	GGCC	AGGTCCC	GGGACCA GC
	31261	GGCGCCAGGG	GCCGCC	TCCCAGCTGC	GCCATGCC	GGGCGGGGG	AGGGCAA CC
	31321	CCAGAGGC	GGGCC	CGCGGGAGG	AGTGGG	GGAGGTGGC	GGGGGAAGGC
	31381	GCCC	GAGACCGG	GT	GACAC	TTGC	GACAAAAC
	31441	GCCC	GGCGC	GAGGCTAAGG	TAGG	GGCG	TGTTAATGGT
	31501	CCG	GGGG	AGACA	CGGCGATTAA	ACCC	GAGGTAGCG

5	31561	TAGCTTCCC	CGGGCAGGTA	TTGCTCGCAG	ACCCCTGCGTG	GGGCTGTGGA	GGGGACGGGCC
	31621	TCCATGAAGC	GACATTTACT	CTGCTCGCGT	TTACTGACGT	CACCATCCAT	CGCCACGGCG
	31681	ATTGGACGAT	TGTTAACCGG	CAGCGTGTCT	CCGCTTGTGC	TGTAGTAGTC	AAAAACGTA
	31741	TGGCGTCTGG	AGTCGGCAAA	GCGGGCCGGG	AGGTCGTCGC	CGAGCGGGAC	GACCCGCCGC
	31801	CCCCGACCAC	CCCGTCCCCC	CAGGTGTGCC	AGGACGGCCA	GGGCATACGC	GGTGTGAAAAA
	31861	AAGGCGTCGG	GGGCGGTCCC	CTCGACGGCG	CGCATCAGGT	TCTCGAGGAG	AATGGGAAAG
	31921	CGCCTGGTCA	CCTCCCCCAA	CCACGCGCGT	TGGTCGGGGC	CAAAGTCATA	GCGCAGGCGC
	31981	TGTGAGATT	GCAGGCCGGC	CTGAAGCGCG	GCCCAGATGG	CCTGGCCCAAG	GGCCCGGAGG
10	32041	CACGCCAGAT	GTATGCGCGC	GGTAAAGGCG	ACCTCGGCGG	CGATGTCAA	GGCGGGCAGG
	32101	ACGGGGCGCG	GGTGGCGCAG	GGGCACCTCG	AGCGCGGAA	AGCGTAGCAG	CAGCTCCGCC
	32161	TGCCCAAGCGG	GAGACAGCTG	GTGGGGCGC	ACGACCGCTT	CTGCGGCGCA	GGCCTCGGTC
	32221	AGGGCCCGTGG	CCAGCGCCGA	GGACAGCAGC	GGAGGGCGGG	CGCGTCGCCC	GCCCCACGCC
	32281	ACGGAGTTCT	CGTAGGAGAC	GACGACGAAG	CGCTGCTTGG	TTCCGTAGTG	GTGGCGCAGG
	32341	ACCACGGAGA	TAGAACGACG	GCTCCACAGC	CAGTCCGGCC	GTCGCCGCC	GGCCAGGGCT
15	32401	TCCCATCCGC	GATCCAACCA	CTCGACCCAGC	GACCGCGGCT	TTGCGGTACC	AGGGGTAAGG
	32461	GTTAGAACGT	CGTTCAGGAT	GTCTCTCGCC	CCGGGGCCGT	GGGGCGCTGG	GGCCACAAAG
	32521	CGGCCCCCGC	CGGGGGGCTC	CAGACCCGCC	AGCACCGCAT	CTGCGTCAGC	CGCCCCCATG
	32581	GCGCCCCCGC	TGACGGCTG	GTGAACCAGG	GCGCCCTGGC	GTAGCCCCGA	TGCAACGCCA
	32641	CAGGCCGCAC	GCCCCGGTCCG	CGCTCGGACC	GGGTGGCGGC	GGGTGACGTC	CTGCACTGCC
20	32701	CGCTGAACCA	ACCGCAGGAT	CTCTCTCGTT	TCCTGTGCGA	TGGACACGTC	CTGGGCCGCC
	32761	GTCGTGTCGC	CGCCGGGGC	CGTCAGCTGC	TCCTCCGGGG	AGATGGGGG	GTGGGACGCC
	32821	CCGACGATGG	CGGGGTCTGC	GGGGCGCCCC	GCGTGGGGCC	GGGCAAGGG	CTGCGGACGC
	32881	GGGGACGCGC	TTTCCCCCAG	ACCCATGGAC	AGGTGGGCCG	CAGCCTCCCT	CGCGGCCGGC
	32941	GGGGCGGCCG	CGCCAAGCAG	AGGCACGCTAG	CGGCACAAAT	CCGCACAGAC	GGCGCATGATG
25	33001	CGCGTGTGT	CGGCCGCGTA	GCGCGTGTG	GGGGGGACGA	GCTCGTCGTA	ACTAAACAGA
	33061	ATCACCGCGG	CACAGCTCGC	CCCCGAGCCC	CACGCAAGGC	CGAGCGCCGC	CACGGCGTAC
	33121	GGGTCACTAGA	CGCCCTGCGC	GTACACACACC	ACGGGCAGGG	AGACGAACAA	CCCCCCGGCG
	33181	CTGGACGCAC	CGCGGAAGGAG	GCCAGGGTGT	GCCGGCACGA	CGGGGGCCAG	AAGCTCCCCC
	33241	ACCGCATCCG	CGGGCACGTA	GGCGGCAAAC	GCGTGCACC	ACGGGGTACA	GTGCGCCGGTG
30	33301	GCATGAGCCC	GAGTCTGGAT	TTGACACTGG	AAGTTTGCAG	CGTCCCCGAG	TCCGGGGCGG
	33361	CCGCGCATCA	GGGCGGCCAG	AGGGATTCCC	GCGGCCGCCA	GGCACTCGCT	GGATATGATG
	33421	ACGTGAACCA	AAGACCGAGG	GCCGACCCGG	GCGTGGCCG	AGATCGTCTG	GACCTCGTTG
	33481	GCCAAGTGC	CGTTCATGGT	TCGGGGGTGG	GTGTGGGTGT	GTAGGCGATG	CGGGTCCCCC
	33541	GAGTCCCGCG	GAAGGGCGTG	GGTTTGGCGC	GCGTATGCGT	ATTGCGAAC	GGAGGCGTGC
35	33601	GTGCTTATGC	CGGGCGCGTT	TCTCTGTCT	CTAGGGAATC	CGAGGCCAGG	ACTTTAACCT
	33661	GCTCTTGTC	GACGAGGCCA	ACTTTATTG	CCCGGATGCG	GTCCAGACGA	TTATGGGCTT
	33721	TCTCAACCAG	GCCAACGCA	AGATTATCTT	CGTGTGTC	ACCAACACCG	GGAAGGCCAG
	33781	TACGAGCTT	TTGTACAACC	TCCCGGGGGC	CGCAGACGAG	CTTCTCAACG	TGGTGACCTA
	33841	TATATGCGAT	GATCACATGC	CGAGGGTGGT	GACGCACACA	AACGCCACGG	CCTGTTCTTG
40	33901	TTATATCCTC	AACAAGCCG	TTTCATCAC	GATGGACGGG	CGGGTTCGCC	GGACCGCCGA
	33961	TTTGTCTG	GCCGATTCT	TCATGCGGA	GATCATCGGG	GGCCAGGCCA	GGGAGACCGG
	34021	CGACGACCGG	CCCGBTCTGA	CCAAGTCTGC	GGGGGAGCGG	TTTCTGTTGT	ACCGCCCCCTC
	34081	GACCACCACC	AACAGCGGCC	TCATGGCCCC	CGATTGTCAC	GTGTACGTC	ATCCCACGTT
45	34141	CACGGCCAAC	ACCCGAGCCT	CGGGGACCGG	CGTCGCTGTC	GTGGGGCGGT	ACCGCGACGA
	34201	TTATATCATC	TTCGCCCTGG	AGCACTTTT	TCTCCGCGCG	CTCACGGGCT	CGGCCCCCGC
	34261	CGACATCGCC	CGCTGCGTC	TCCACAGTCT	GACGCAGGTC	CTGGCCCTGC	ATCCCACGGG
	34321	GTTCGCGGC	GTCCGGGTGG	CGGTCGAGGG	AAATAGCAGC	CAGGACTCGG	CGTCGCCAT
	34381	CGCCACGCAC	GTGCACACAG	AGATGCACCG	CCTACTGGCC	TCGGAGGGGG	CCGACGCCGG
50	34441	CTCGGGCCCC	GAGCTTCTCT	TCTACCACTG	CGAGCCTCCC	GGGAGCGC	TGCTGTACCC
	34501	CTTTTCCTG	CTCAACAAAC	AGAAGACGCC	CGCCTTGA	CACTTTATTA	AAAAGTTAA
	34561	CTCCGGGGGC	GTCAATGGCT	CCCAGGAGAT	CGTTCCGCG	ACGGTGC	TGCAGACCGA
	34621	CCCGGTCGAG	TATCTGCTCG	AGCAGCTAA	TAACCTCAC	GAAACCGTCT	CCCCAACAC
	34681	TGACGTCCTG	ACGTATTCCG	GAAAACGGAA	CGGCGCCTCG	GATGACCTTA	TGGTCGCCGT
	34741	CATTATGGCC	ATCTACCTCG	CGGCCAGGC	CGGACCTCCG	CACACATTG	CTCCATATCAC
55	34801	ACGCGTCTCG	TGAGCGCCCA	ATAAACACAC	CCAGGTATGC	TACGCACGAC	CACGGTGTGCG
	34861	TCTGTTAAGG	GGGGGGGGGG	AAGGGGGTGT	TGGCGGAAAG	CGTGGGAACA	CGGGGGATTC
	34921	TCTCACGACC	GGCACCAAGTA	CCACCCCCCT	GTGAACACAG	AAACCCCCA	CCAAATCCCA
	34981	TAAACATACG	ACACACAGGC	ATATTTGGA	ATTCTTAGG	TTTTTATTTA	TTTAAAGTATG
	35041	CTGGGGTTTC	TCCCTGGATG	CCCACCCCCA	CCCCCCCCGTG	GGTCTAGCCG	GGCCTTAGGG

	35101	ATAGCGTATA	ACGGGGGCCA	TGTCTCCGGA	CCGCACAACG	GCCGCGCCGT	CAAAGGTGCA
	35161	CACCGAACC	ACGGGAGCCA	GGGCAAGGT	GTCTCCTAGT	TGGCCCGCGT	GGGTCAGCCA
5	35221	GGCGACGAGC	GCCTCGTAAA	GCGGCAGCCT	TCGCTCTCCA	TCCTGCATCA	GGGCCGGGGC
	35281	TTCGGGGTGA	ATGAGCTGGG	CGGCTCCCG	CGTGACACTC	TGCATCTGCA	GTAGAGCGTT
	35341	CACGTACCCG	TCCTGGGCAC	TTAGCGAAA	GAGCCGGGG	ATTAGCGTAA	GGATGATGGT
	35401	GGTCCCTCC	GTGATCGAGT	AAACCATGTT	AAGGACCAGC	GATCGCAGCT	CGGGCGTTAC
	35461	GGGACCGAGT	TGTTGGACGT	CCGCCAGCAG	CGAGAGGCGA	CTCCC GTTGT	AGTACAGCAC
10	35521	GTTGAGGTCT	GGCAGCCCTC	CGGGGTTTCT	GGGGCTGGGG	TTCAGGTCCC	GGATGCCCT
	35581	GGCCACGAGC	CGCGCCACGA	TTTCGCGCGC	CAGGGCGAT	GGAAGCGGAA	CGGGAAACCG
	35641	CAACGTGAGG	TCCAGCGAAT	CCAGGCGCAC	GTCCGTCGCT	TGGCCCTCGA	ACACGGCGG
	35701	GACGAGGCTG	ATGGGGTCCC	CGTTACAGAG	ATCTACGGGG	GAGGTGTTGC	GAAGGTTAAC
	35761	GGTGCCGGCG	TGGGTGAGGC	CCACGTCCAG	GGGGCAGGCG	ACGATTGCGG	TGGGAAGCAC
15	35821	CGGGGTGATG	ACCGCGGGGA	AGCGCCTTCG	GTACGCCAGC	AACAACCCA	ACGTGTCGGG
	35881	ACTGACGCCT	CCGGAGACGA	AGGATTGCGT	CGCCACGTCG	GCCAGCGTCA	GTTGCCGGCG
	35941	GATGGTCGGC	AGGAATACCA	CCC GCCCTTC	GCAGCGCTGC	AGCGCCGCG	CATCGGGCG
	36001	CGAGATGCC	GAGGGTATCG	CGATGTCAGT	TTCAAAGCCG	TCCGCCAGCA	TGGCGCCGAT
	36061	CCACCGGGCA	GGGACTGCAG	TGGTGGTTCG	GGTGGCGGG	GGAGCGCGGT	GGGGGTCAGC
	36121	GGCGTAGCAG	AGACGGGCGA	CCAACCTCGC	ATAGGACGGG	GGGTGGGTCT	TAGGGGGTTG
20	36181	GGAGGCGACA	GGGACCCAG	AGCATGCGC	GGGAGGTCTG	TCGGGCCCAG	ACGCACCGAG
	36241	AGCGAATCCG	TCCCGGGAGT	CCCGGCTTGG	GT TTTATGGG	CCCCGGCCCT	CGGAATCGCG
	36301	GCTTGT CGGC	GGGGACAAAG	GGGGCGGGG	TAGGGGCTTG	CGGAAACAGA	AGACGCGTGG
	36361	GATAAAAGAA	TCGCACTACC	CCAAGGAAGG	CGGGGGCGGT	TTATTACAGA	GCCAGTCCCT
	36421	TGAGCGGGGA	TGCGTCATAG	ACGAGATACT	GCGCGAAGTG	GGTCTCCCGC	GCGTGGGCTT
25	36481	CCCCGTTGCG	GGCACTGCGG	AGGAGGGCGG	GGTCGCTGGC	GCAGGTGAGC	GGTAGGCCT
	36541	CCTGAAACAG	GCCACACGGG	TCCTCCACGA	GTTCGCGGCA	CCCCGGGGG	CGCTTAAACT
	36601	GTACGTCGCT	GGCGCGGGT	GCGTGGACA	CCGCGGAACC	CGTCTCCACG	ATCAGGCGCT
	36661	CCAGGCAGCG	ATGTTTGGCG	GCGATGTCGG	CCGACGTAAA	GAACTTAAAG	CAGGGGCTGA
	36721	GCACCGGGCA	GGCCCCGTTG	AGGTGGTAGG	CCCCGTTATA	GAGCAGGTCC	CCGTACGAAA
30	36781	ATCGCTCGA	CGCCCACGGG	TTGGCCGTGG	CCGCGAAGGC	CGGGGACGGG	TCGCTCTGGC
	36841	CGTGGTCGTA	CATGAGGGCG	GTGACATCCC	CCTCCTTGTC	CCCCCGTAA	ACGCCCGCCG
	36901	CGGCCGTCC	CGGGGGGTTG	CAGGGCCGGC	GGAAGTAGTT	GACGTCGGTC	GACACGGGG
	36961	TGGCGATAAA	CTCACACACG	GCGTCCTGGC	CGTGGTCCAT	CCCTGCGCGC	CGGGCACCT
	37021	GGGCGCACCC	GAACACGGGG	ACGGGCTGGG	CGGGCCCCAG	GCGGTTTCCC	GCCACGACCG
35	37081	CGTTCCGCAG	GTACACGGCT	GCCCGTGTGT	CCAGGAGAGG	GGGAGCCCO	CGGCCCAAGGT
	37141	AAAAGTTTG	GGGAAGGTTG	CCC ATGTCGG	TGACGGGGTT	GCGGACGGTT	GCCGTGGCCA
	37201	CGACGGCGGT	GTAGCCCACG	CCCAGGTCCA	CGTTCGCGCG	CGGCTGGGTG	AGCGTGAAGT
	37261	TTACCCCCCC	GCCAGTTTCG	TGCCGGGCCA	CCTGGAGCTG	GCCCAGGAAG	TACGCCCTCCG
	37321	ACGCGCGCTC	CGAGAACAGC	ACGTTCTCAG	TCACAAAGCG	GTCCTGTTCG	ACGACGGTGA
40	37381	ACCCAAACCC	GGGATGGAGG	CCC GTCTTGA	GCTGATGATG	CAAGGCCACG	GGACTGATCT
	37441	TGAAGTACCC	CGCCATGAGC	GCGTAGGTCA	GCGC GTTCTC	CCC GGCCGCG	CTCTCGCGGA
	37501	CGT GCTGCAC	GACGGGCTGT	CGGATCGACG	AAAAGTAGTT	GGCCCCCAGA	GCCGGGGGG
	37561	CCAGGGGGAC	CTGCCCGGAC	AGGTGCGC	GGGCGGGGG	GAAATTGGGC	GC GTTCGCCA
	37621	CGTGGTCGGC	CCC GGCGAAC	AGCGCGTGG	CGGGGAGGGG	GTAAAAATAG	TCGCCATT
45	37681	GGATGGTATG	GTCCAGATGC	TGGGGGGCA	TCAGCAGGAT	TCCGGCGTGC	AACGCCCGT
	37741	CGAATATGCG	CATGTTGGTG	GTGGACGCGG	TGTTGGCGCC	CGCGT CGGGC	GCCGCCGAGC
	37801	AGAGCAGCGC	CGTTGTGCGT	TCGGCCATGT	TGTGGGCCAG	CACCTGCA	GTGAGCATGG
	37861	CGGGCCCGTC	CACTACCACG	CGGCCGTTGT	GAAACATGGC	GTTGACCGTG	TTGCCACCA
	37921	GATTGGCCGG	GTGCAGGGGG	TGCGCGGGGT	CCGTACCGGG	GTGCTGGGG	CACTCCTCGC
50	37981	CGGGGGCGAT	CTCCGGGACC	ACCATGTTCT	GCAGGGTGGC	GTATACGCG	T CGAAGCGAA
	38041	CCCCCGCGGT	GCAGCAGCGG	CCCCCGCAGA	AGGCGGGCAC	CATCACGTAG	TAGTAAATCT
	38101	TGTGGTGCAC	GGTCCAGTCC	GGCCCCCGGT	GCGGCGGGTC	ATCCCGGGCG	TCCCGGGCTC
	38161	GGGCTTGGGT	GTTGTGCGAC	AGCTGGCCGT	CGTTGCGGT	GAAGTCCCG	GTGCCACG
	38221	TACATGCCGC	CGCGTACACG	GGGTCGTGGC	CCCCCGCGCT	AACCCGGCAG	TCGCGATGGC
55	38281	GGTCCAGGGC	CGCGCGCCGC	ATCAGGGCGT	CACAGTCCA	CACGAGGGT	GGCAGCAGCG
	38341	CCGGGTCTCG	CATTAGGTGA	TTCA GCTCGG	CTTGCGCCTG	CCC GCCCAGC	TCCGGGCCGG
	38401	TCAGGGTAAA	GTCATCAACC	AGCTGGGCCA	GGGCCTCGAC	GTGCGCCACC	AGGTCCCAGT
	38461	ACACGGCCAT	GCAC TCTCG	GGAAAGGTCTC	CCCCGAGGTA	GGTCACGACG	TACCGAGACCA
	38521	GCGAGTAGTC	GTTCA CGAAC	GGCGCGCACC	GC GTGTTGTT	CCAGTAGCTG	GTGATGCACT
	38581	GGACCA CGAG	CCGGGCCAGG	GCGCAGAAGA	CGTGCTCGCT	GCCGTGTATG	CGGGCCTGCA

	38641	GCAGGTAAAAA	CACCGCCCCGG	TAGTTGCGGT	CGTCGAACGC	CCCGCGAACG	GCGGCGATGG
	38701	TGGCGGGGGC	CATGGCGTGG	CGTCCCACCC	CCAGCTCCAG	GCCCCGGGCG	TCCCGGAACG
5	38761	CCGCCGGACA	TAGGCCAGG	GGCAAGTTGC	CGTTCACCAAC	GCGCCAGGTG	GCCTGGATCT
	38821	CCCCCGGGCC	GGCCGGGGGA	ACGTCCCCCC	CCGGCAGCTC	CACGTCGGCC	ACCCCCACAA
	38881	AGAAGTCGAA	CGCGGGGTGC	AGCTCAAGAG	CCAGGTTGGC	TGTGTCGGGC	TGCATAAAACT
	38941	GCTCCGGGGT	CATCTGGCCT	TCCCGACCCC	ATCGGACCCG	CCCGTGGGCC	AGGCGCTGCC
10	39001	CCCAGGC GTT	CAAAAACAGC	TGCTGCATGT	CTGCGGCCGG	GCCGGCCGGG	GCCGCCACGT
	39061	ACGCCCGTA	CGGATTGGCG	GCTTCGACGG	GGTCGCGGTT	AAGGCCCG	ACCGCCGCGT
	39121	CAACGTTCAT	CAGCGAAGGG	TGGCACACGG	TCCCGATCGC	GTGTTCCAGA	GACAGGCGCA
	39181	GCACCTGGCG	GTCCTTCCCC	CAAAAAAAACA	GCTGGCGGGG	CGGGAAAGGGC	CGGGGATCCG
15	39241	GGTGGCCGGG	GGCGGGGACT	AGGTCCCCGG	CGTGCGCGGC	AAACC GTTCC	ATGACCGGGAT
	39301	TGAACAGGCC	CAGGGGCAGG	ACGAACGTCA	GGTCCATGGC	GCCCACCAGG	GGGTAGGGAA
	39361	CGTTGGTGGC	GGCGTAGATG	CGCTTCTCCA	GGGCCTCCAG	AAAGACCAGC	TTCTCGCCGA
	39421	TGGACACCAG	ATCCGCGCGC	ACGCGCGTCG	TCTGGGGGCC	GCTCTCGAGC	TCGTC CAGCG
20	39481	TCTGCCGGTT	CAGGT CGAGC	TGTCCTCCCT	GCATCTCCAG	CAGGTGGCGG	CCCACGTCGT
	39541	CCAGACTTCG	CACGGCCTTG	CCCATCACGA	GCGCCGTGAC	CAGGTGGGCC	CCGTT CAGGA
	39601	CCATCTCGCC	GTACGTCA CC	GGCACGT CGG	CTTCGGTGT C	CTCCACTTTC	AGGAAGGACT
	39661	GCAGGAGGCG	CTGTTTGATC	GGGGCGGTGG	TGACGAGCAC	CCC GTCGACC	GGCCGCCCGC
	39721	GC GTGTCGGC	ATGCGTCAGA	CGGGGCACGG	CCACGGAGGG	CTGCGTGGCC	GTGGTGAGGT
25	39781	CCACGAGCCA	GGCCTCGACG	GCCTCCC GG	GGTGGCCCGC	CTTGCCCAGG	AAAAAGCTCG
	39841	TCTCGCAGAA	GCTTCGCTT	AGCTCGGCGA	CCAGGGTCGC	CCGGGCCACC	CTGGTGGCCA
	39901	GGCGGCCGTT	GTCCAGGTAT	CGTTGCATCG	GCAACAACAA	AGCCAGGGC	GGCGCC TTTT
	39961	CCAGCAGCAC	GTGCAGCATC	TGGTCGGCCG	TGCCGCGCTC	AAACGCCCG	AGGACGGCCT
	40021	GGACGTTGCG	AGCGAGCTGT	TGGATGGCGC	GCAACTGGCG	ATGCGCGCCG	ATACCCGTCC
30	40081	CGTCCAGGGC	CTCCCCCGTG	AGCAGGGCGA	TGGCCTCGGT	GGCCAGGCTG	AAGGCCCGT
	40141	TCAGGGCCCG	GCGGTCGATA	ATCTTGGTCA	TGTAATTGTG	TGTGGGTTGC	TCGATGGGGT
	40201	GC GGGCCGTC	GCGGGCAATC	AGCGGCTGGT	GGACCTCGAA	CTGTACGCGC	CCCTCGTTCA
	40261	TGTAGGCCAG	CTCCGGAAAC	TTGGTACACA	CGCACGCCAC	CGACAACCCG	AGCTCCAGAA
	40321	AGCGCACGAG	CGACAGGGTG	TTGCAATACG	ACCC CAGCAG	GGCGTCGAAC	TCGACGTCGT
35	40381	ACAGGCTGTT	TGCA TCGGAG	CGCACGCGGG	AAAAAAAATC	AAACAGGCGT	CGATGCGACG
	40441	CCACCTCGAT	CGTGCTAAGG	AGGGACCCGG	TCGGCACCAT	GGCCGCGGCC	TACCGGTATC
	40501	CCGGAGGGTC	GCGGTTGGGA	GCGGCCATGG	GGTCGCGTGG	AGATCGGCTG	TCTCTAGCGA
	40561	TATTGGCCCG	GGGAGGCTAA	GATCCACCCC	AACGCCCGC	CACCCGTGTA	CGTGC CCGAC
	40621	GGCCCAAGGT	CCACCGAAAG	ACACGACGGG	CCC GGACCCA	AAAAGGCGGG	GGATGCTGTG
40	40681	TGAGAGGCCG	GGTGC CGGT	GGGGGGAAA	GGCACCGGGA	GAAGGCTGCG	GCCTCGTTCC
	40741	AGGAGAACCC	AGTGTCCCCA	ACAGACCCGG	GGACGTGGGA	TCCCAGGCC	TATATAACCC
	40801	CCCCCCCCGCC	CCACCCCCGT	TAGAACGCGA	CGGGTGCATT	CAAGATGGCC	CTGGTCCAAA
	40861	AGCGTGC CAG	GAAGAAATTG	GCAGAGGCGG	CAAAGCTGTC	CGCCGCCGCC	ACCCACATCG
	40921	AGGCCCCGGC	CGCGCAGGCT	ATCCCCAGGG	CCC GTGTGCG	CAGGGGATCG	GTGGCGGCC
45	40981	GCATTGGTT	GGTGC GATA	AAAGTGGAAA	GCCC GTCCGG	ACTGAAGGTC	TCGTGGCGG
	41041	CGGCGAACAA	GGCACACAGG	GCCGTGCCTC	CCAAAAACAC	GGACATCCCC	AAAAACACGG
	41101	GCGCCGACAA	CGGCAGACGA	TCCCTCTTGA	TGTTAACGTA	CAGGAGGAGC	GCCCGCACCG
	41161	CCCACGTAAC	GTAGTAGCCG	ACGATGGCGG	CCAGGATACA	GGCCGGCGCC	ACCACCCCTC
	41221	CGGT CAGCCC	GTAATACATG	CCCCCTGCCA	CCATCTCCAA	CGGCTTCAGG	ACCAAAAACG
50	41281	ACCAAAGGAA	CAGAATCACG	CGCTTGTGAAA	AGACGGCTG	GGTATGGGGC	GGAAGACGCG
	41341	AGTATGCCGA	ACTGACAAAA	AAATCAGAGG	TGCCGTACGA	GGACAATGAA	AACTGTTCT
	41401	CCAGCGGCAG	TTCTCCCTCC	TCCCCCCCCGA	AGGCGCCCTC	GT CGACCA GA	TCTCGATCCA
	41461	CCAGAGGAAG	GTCATCCCG	ATGGTCA TG	GGTGTGCGGT	GGAGGTGGGG	AGACCGAAC
	41521	CGCAAAGGGT	CGCTTACGTC	AGCAGGATCC	CGAGATCAA	GACACCCGGG	TTCTTGAC A
	41581	AACACCACCC	GGGTTGCATC	CGCGGAGGCC	AGTGT TTGA	TAAGGCCGT	CCGCGCCTTG
	41641	ATATAAACCTT	TGATGTTGAC	CACAAAACCC	GGAATT TACG	CCTACGCC	AATGCCCACG
	41701	CAAGATGAGG	TAGGTAACCC	CCCCGTGGGT	GTGAC GTTGC	TTTAGTTCA	TTGGAGGCCA
	41761	AGGGGAAAAA	TGGGGTGGGG	AGGAAACGGA	AAACCCAGTA	GGCGTGTGCG	GGAACACGCC
	41821	CGGGGTGTC	CTCAAAAGGC	AGGGTCCATA	CTACGGAAGC	CGTCGTTGTA	TTCGAGACCT
55	41881	GCCTGTGCAA	CGCACGTCGG	GGTTGCCTGT	GTCCGGTTCG	GCCCCCACCG	CGTGC GGCAC
	41941	GCACGAGGAC	GAGTCCCGT	GCTTTATTGG	CGTTCCAAGC	GTTGCCCTCC	AGTTTCTGTT
	42001	GTCGGTGTTC	CCCCATACCC	ACGCCCACAT	CCACCGTAGG	GGGCCTCTGG	GCCGTGTTAC
	42061	GTCGCCGCC	GCGATGGAGC	TTAGCTACGC	CACCA CCTAG	CACTACCGGG	ACGTTGTGTT
	42121	TTACGTCACA	ACGGACCGAA	ACCGGGCCTA	CTTTGTGTG	GGGGGGTGTG	TTTATTCCGT

	42181	GGGGCGGCCG	TGTGCCTCGC	AGCCCGGGGA	GATTGCCAAG	TTTGGTCTGG	TCGTTCGAGG
5	42241	GACAGGCCCA	GACGACCGCG	TGGTCGCCAA	CTATGTACGA	AGCAGACTCC	GACAACGCGG
	42301	CCTGCAGGAC	GTGCGTCCA	TTGGGGAGGA	CGAGGTGTTT	CTGGACAGCG	TGTGTCTTCT
	42361	AAACCCGAAC	GTGAGCTCCG	AGCTGGATGT	GATTAACACG	AACGACGTGG	AAGTGTCTGGA
10	42421	CGAATGTCTG	GCCGAGTACT	GCACCTCGCT	GCGAACACCAGC	CCGGGTGTGC	TAATATCCGG
	42481	GCTGCGCGTG	CGGGCGCAGG	ACAGAACATCAT	CGAGTTGTTT	GAACACCCAA	CGATAAGTCAA
	42541	CGTTTCCTCG	CACTTTGTGT	ATACCCCCGTC	CCCATACTG	TTCGCCCTGG	CCCAGGCGCA
	42601	CCTCCCCCGG	CTCCCGAGCT	CGCTGGAGGC	CCTGGTGAGC	GGCCTGTTTG	ACGGCATCCC
15	42661	CGCCCCACGC	CAGCCACTTG	ACGCCCACAA	CCCGGCCACG	GATGTGGTTA	TCACGGGCCG
	42721	CGCGCCCCA	CGACCCATCG	CCGGGTCGGG	GGCAGGGTCG	GGGGGCGCGG	GCGCCAAGCG
	42781	GGCCACCGTC	AGCGAGTTCG	TGCAAGTCAA	ACACATTGAC	CGCGTGGGCC	CCGCTGGCGT
	42841	TTCGCCGGCG	CCTCCGCCAA	ACAACACCGA	CTCGAGTTCC	CTGGTGCCCG	GGGCCAGGA
	42901	TTCCGCCCGG	CCCGGCCCA	CGCTAAGGGG	GCTGTGGTGG	GTGTTTATG	CCGCAGACCG
20	42961	GGCGCTGGAG	GAGCCCCGCG	CCGACTCTGG	CCTCACCCGC	GAGGAGGTAC	GTGCCGTACG
	43021	TGGGTTCCGG	GAGCAGGCGT	GGAAAATGTT	TGGCTCCGCG	GGGGCCCCGC	GGCGTTTAT
	43081	CGGGGCCGCG	TTGGGCTGAA	GCCCCCTCCA	AAAGCTAGCC	TTTACTACT	ATATCATCCA
	43141	CCGAGAGAGG	CGCCTGTCCC	CCTTCCCCGC	GCTAGTCCGG	CTCGTAGGCC	GGTACACACA
	43201	GCGCCACGGC	CTGTACGTCC	CTCGGCCCGA	CGACCCAGTC	TTGGCCGATG	CCATCAACGG
	43261	GCTGTTTCG	GACGCGCTGG	CGGCCGGAAC	CACAGCGAG	CAGCTCCTCA	TGTCGACCT
25	43321	TCTCCCCC	AAGGACGTGC	CGGTGGGAAG	CGACGTGCAG	GCCGACAGCA	CCGCTCTGCT
	43381	GCGCTTTATA	GAATCGCAAC	GTCTCGCCGT	CCCCGGGGGG	GTGATCTCCC	CCGAGCACGT
	43441	CGCGTACCTT	GGTGCCTTC	TGAGCGTGCT	GTACGCTGGC	CGCGGGCGCA	TGTCCGCAGC
	43501	CACGCACACC	GCGCGCTGA	CAGGGGTGAC	CTCCCTGGTG	CTAGCGGTGG	GTGACGTGGA
	43561	CCGTCTTCC	GCCTTGTACC	GCAGGAGCGGC	GGGCCGGGCC	AGCCGCACGC	GGGCCGCCGG
30	43621	GTACCTGGAT	GTGCTTCTTA	CCGTTCGTCT	CGCTCGCTCC	CAACACGGAC	AGTCTGTGTA
	43681	AAAGACCCCA	ATAAACGTAT	ATCGCTACTA	CACCCCTGTG	TGTCAATGGA	CGCCTCTCCG
	43741	GGGGGGGGGG	AGGGAAAGCA	AAGAGGGGCT	GGGGGAGCGG	CACCACCGGG	GCCTGAACAA
	43801	ACAAACCACA	GACACGGTTA	CAGTTTATTG	GGTCGGGCGG	AGAAAACGGCC	GAAGCCACGC
	43861	CCACTTTATT	CGCGTCTCCA	AAAAAAACGGG	ACACTTGTCC	GGAGAACCTT	TAGGATGCCA
35	43921	GCCAGGGCGG	CGGTAATCAT	AACCACGCC	AGCGCAGAGG	GGGCCAGAAA	CCCGGGCGCA
	43981	ATTGCGGCCA	CGGGCTCGGT	GTCAAAGGCT	AGCAAATGAA	TGACGGTTCC	TTTGGAAAT
	44041	AGCAACAAGG	CCGTGGACGG	CACGTGCTC	GAAAACACGC	TTGGGGCGCC	CTCCGTCGGC
	44101	CCGGCGCGA	TTTGCTGCTG	TGTGTTGTCC	GTATCCACCA	GCAACACAGA	CATGACCTCC
	44161	CCGGCCGGGG	TGTAGCGCAT	AAACACGGCC	CCCACGAGCC	CCAGGTCGCG	CTGGTTTTGG
40	44221	GTGCGCACCA	GCCGCTTGGG	CTCGATATCC	CGGGTGGAGC	CTTCGCATGT	CGCCGTGAGG
	44281	TAGGTTAGGA	ACAGTGGCG	TCGGACGTCC	ACGCCGGTGA	GCTTGTAGCC	GATCCCCCGG
	44341	GGCAGAGGGG	AGTGGGTGAC	GACGTAGCTG	GCGTTGTGGG	TGATGGGTAC	CAGGATCCGT
	44401	GGCTCGACGT	TGGCAGACTG	CCCCCCGCAC	CGATGTGAGG	CCTCAGGGAC	GAAGGCGCGG
	44461	ATCAGGGCGT	TGTAGTGTG	CCAACCGCTC	AGGGTCGAGG	CGAGGCCGTG	GGTCTGCTGG
45	44521	GCCAGGACTT	CGACCGGGGT	CTCGGATCGG	GTGGCTTGAG	CCAGCGCGTC	CAGGATAAAC
	44581	ACGCTCTCGT	CTAGATCAAA	GCGCAGGGAG	GCCGCGCATG	GCGAAAAGTG	GTCCCGAACG
	44641	CAAAGAGGG	TTTCTGGTG	GTGCGCCCGG	GCCAGCGCG	TCCGGAGGTC	GGCGTTGGTC
	44701	GCTCGGGCGA	CGTCGGACGT	ACACAGGGCC	GAGGCTATCA	GAAGGCTCCG	GCGGGCGCGT
	44761	TCCCCTGCA	CCGCCAGGG	GACGCCAGCC	AAGAACGGCT	GCCGGAGGAC	AGCCGAGGCG
50	44821	TAAAATAGCG	CCCGGTGGAC	GACCGGGGTG	GTCAGCACGC	GGCCCCCTAG	AAACTCGGCA
	44881	TACAGGGCGT	CGATGAGATG	GGCTGCGCTG	GGCGCCACTG	CGTCGTACGC	CGAGGGGCTA
	44941	TCCAGCACGA	AGGCCAGCTG	ATAGCCCAGC	GCGTGTAAATG	CCAAGCTCTG	TTCCGCGCTCC
	45001	AGAAATCTCGG	CCACCAGGTG	CTGGAGCCGA	GCCTCTAGCT	GCAGGCGGGC	CGTGGGATCC
	45061	AAGACTGACA	CATTAAAAAA	CACAGAACATCC	GGGGCACAGC	CCGGGGCCCC	GCGGGCGGCC
55	45121	AACCCGGCAA	GCGCGCGCGA	GTGGGCCAAA	AAGCCTAGCA	GGTCGGAGAG	GCAGACCGCG
	45181	CCGTTTGC	GGGCGCGT	CACGAAAGCA	AAACCCGACG	TCGCGAGGCAG	CCCCGTTAGG
	45241	CGCCAGAAGA	GAGGGGGCG	CGGGCCCTGC	TCGGCGCCCG	CGTCCCCCGA	GAAAAAACTCC
	45301	GCGTATGCC	GCGACAGGAA	CTGGGCGTAG	TCGGTCCCT	CCTCCGGGTA	GGCCGCCACG
	45361	CGGCGGAGGG	CGTCCAGCGC	GGAGCCGTG	TCGGCCCGCG	TCAGGGACCC	TAGGACAAAG
	45421	ACCCGATACC	GGGGGCCGCG	CGGGGGCCCG	GGAAAGAGCCC	CCGGGGGGTT	TCGGTCCGCG
	45481	GGGTCCCCGA	CCCGATCTAG	CGTCTGGCCC	GGGGGGACCA	CCATCACTTC	CACCGGAGGG
	45541	CTGTCGTGCA	TGGATATCAC	GAGCCCCATG	AATTCCCGCC	CGTAGCGCGC	GCGCACCAGC
	45601	GCGGCATCGC	ACCCGAGCAC	CAGCTCCCCC	GTGCTCCAGA	TGCCCACGGG	CCACGTCGAG
	45661	GCCGACGGGG	AGAAATACAC	GTACCTACCT	GGGGATCTCA	ACAGGCCCG	GGTGGCCAAC

	45721	CAGGTCGTGG	ACGC GTTGTG	CAGGT GCGTG	ATGTCCAGCT	CCGT CGTCGG	GTGCCGCCGG
	45781	GCCCCAACCG	CGGGTCGGGG	GGGCGGTGTA	TCACGCGGCC	CGCTCGGGTG	GCTCGCCGTC
5	45841	GCCAC GTTGT	CTCCCCGCGG	GAACGTCAGG	GCCTCGGGGT	CAGGGACGGC	CGAAAACGTT
	45901	ACCCAGGCC	GGGAACGCA	CAACACGGAG	CGGGCTGGAT	TGTGCAAGAG	ACCCTTAAGG
	45961	GGGGCGACCG	AGGGGGGAGG	CTGGGCGGTC	GGCTCGACCG	TGGTGGGGGC	GGGCAGGCTC
	46021	GCGTTCGGGG	GCCGGCCGAG	CAGGTAGGTC	TTCGGGATGT	AAAGCAGCTG	GCCGGGGTCC
10	46081	CGCGGAAACT	CGGCCGTGGT	GACCAATACA	AAACAAAAGC	GCTCCTCGTA	CCAGCGAAGA
	46141	AGGGGCAGAG	ATGCCGTAGT	CAGGTTTAGT	TCGTCCGGCG	GCGCCAGAAA	TCCGCGCGGT
	46201	GGTTTTGGG	GGTCGGGGGT	GTTTGGCAGC	CACAGACGCC	CGGTGTTCGT	GTCGCGCCAG
15	46261	TACATGCGGT	CCATGCCAG	GCCATCCAAA	AACCATGGGT	CTGTCTGCTC	AGTCAGTCG
	46321	TGGACCTGAC	CCCACGCAAC	GCCCAAATA	ATAACCCCCA	CGAACCATAA	ACCATTCCCC
	46381	ATGGGGGACC	CCGTCCCTAA	CCCACGGGGC	CCGTGGCTAT	GGCAGGGCTT	GCCGCCCGA
	46441	CGTTGGCTGC	GAGCCCTGGG	CCTTCACCCG	AACTGGGGG	TTGGGGTGGG	GAAAAGGAAG
20	46501	AAACCGGGC	GTATTGGTCC	CAATGGGTC	TCGGTGGGGT	ATCGACAGAG	TGCCAGCCCT
	46561	GGGACCGAAC	CCCGCGTTA	TGAACAAACG	ACCCAACACC	CGTGC GTTT	ATTCTGTCTT
	46621	TTTATTGCG	TCATAGCGCG	GGTTCCCTTC	GGTATTGTCT	CCTTCCGTGT	TTCAGTTAGC
	46681	CTCCCCCATC	TCCCGGGCAA	ACGTGCGC	CAGGTGCGAG	ATCGTGGTA	TGGAGCCTGG
	46741	GGTGGT GACG	TGGGTCTGGA	CCATCCCGGA	GGTAAGTTGC	AGCAGGGCGT	CCCAGCAGCC
25	46801	GGCGGGCGAT	TGGTCGTAAT	CCAGGATAAA	GACATGCATG	GGACGGAGGC	GT TGGCCAA
	46861	GACGTCCAAA	GCCCAGGCAA	ACACGTTATA	CAGGTGCGCG	TTGGGGGCCA	GCAACTCGGG
	46921	GGCCCGAAC	AGGGTAATA	ACGTGTC	GATATGGGT	CGTGGGCCCG	CGTTGCTCTG
	46981	GGGCTCGGCA	CCCTGGGGCG	GCACGGCCG	CCCCGAAAGC	TGTCCCCAAT	CCTCCCGCCA
	47041	CGACCCGCG	CCCTGCA	ACCGCACCGT	ATTGGCAAGC	AGCCCATAAA	CGCAGCGAAT
30	47101	CGCGGCCAGC	ATAGCCAGGT	CAAGCGCTC	GCCGGGGCGC	TGGCGTTTG	CCAGGCGGTC
	47161	GATGTGTCTG	TCCTCCGAA	GGGCCCCCAA	CACGATGTT	GTGCCGGGCA	AGGTCGGCGG
	47221	GATGAGGGCC	ACGAACGCCA	GCACGGCTG	GGGGGTCA	CTGCCATAA	GGTATCGCGC
	47281	GGCCGGGTAG	CACAGGAGGG	CGGGCGATGGG	ATGGCGGTG	AAGATGAGGG	TGAGGGCCGG
	47341	GGGCGGGGCA	TGTGAGCTCC	CAGCCTCCCC	CCCGATATGA	GGAGCCAGAA	CGCGTCGGT
35	47401	CACGGCATAA	GGCATGCCA	TTGTTATCTG	GGCGCTTGTC	ATTACCACCG	CCGCGTCCCC
	47461	GGCCGATATC	TCACCCCTGGT	CGAGGCGGTG	TTGTGTGGTG	TAGATGTTG	CGATTGTCTC
	47521	GGAAAGCCCC	AAACACCGCC	AGTAAGTCAT	CGGCTCGGGT	ACGTAGACGA	TATCGTCGCG
	47581	CGAACCCAGG	GCCACCAGCA	GTTGCGTGGT	GGTGGTTTC	CCCATCCCGT	GGGGACCGTC
	47641	TATATAAAC	CGCAGTAGCG	TGGGCATT	CTGCTCCAGG	CGGACTTCG	TGGCTTTTG
40	47701	TTGCCGGCGA	GGGCGCAACG	CCGTACGTG	GTTGTTATGG	CCGCGAGAAC	GCGCAGCCTG
	47761	GTCGAACGCA	GACGCGTGT	GATGGCAGGG	GTACGAAGCC	ATACGCGCTT	CTACAAGGCG
	47821	CTGGCCGAAG	AGGTGCGGG	GTTTCACGCC	ACCAAGATCT	GCGGCACGCT	GTTGACGCTG
	47881	TTAACGCGGT	CGCTGCA	GGGTCGGTA	TTCGAGGCCA	CACGCGTCAC	CTTAATATGC
	47941	GAAGTGGACC	TGGGACCGCG	CCGCCCCGAC	TGCATCTGCG	TGTTGAAATT	CGCCAATGAC
45	48001	AAGACGCTGG	GGGGGGTTTG	TGTCA	GAAC TAAAGA	CATGCAAATA	TATTCTTCC
	48061	GGGGACACCG	CCAGCAAACG	CGAGCAACGG	GCCACGGGGA	TGAAGCAGCT	GCGCCACTCC
	48121	CTGAAGCTCC	TGCA	GTCAGTCCCT	CGCGCCTCG	GGTGACAAGA	TAGTGTACCT
	48181	CTGGTGT	TCGCCC	AAACG	GACGCTCCG	GTCAGCCGCG	TGACCCGGCT
	48241	AAGGTCTCCG	GTAATATC	CGCAGTC	GGATGCTCC	AGAGCCTGTC	CACGTATAACG
50	48301	GTCCCCATTG	AGCCTAGGAC	CCAGCGAGC	CGTCGCCG	GCGCGGGCGC	CGCCCGGGGG
	48361	TCTGCGAGCA	GACCGAAAAG	GTCACACTCT	GGGGCGCG	ACCCGCCCGA	GTCAGCGGCC
	48421	CGCCAGTTAC	CACCGGCCGA	CCAAACCCCC	ACCTCCACGG	AGGGCGGGGG	GGTGCTTAAG
	48481	AGGATCGCGG	CGCTCTTCTG	CGTGC	GGCACCAGA	CCAAACCCCC	AGCCGCTCC
	48541	GAATGAGAGT	GTTTGT	CC	CCCCCGTCA	GACAAACCC	AACCACCGCT
55	48601	TAAGCGGCC	CCCGCAGGTC	CGAAGACTCA	TTTGGATCCG	GGGGGAGGCC	CCCGACAACA
	48661	GCCCCCGGGT	TTTCCCACG	CAGACGCCG	TCCGCTGTG	CATCGCGCCC	CCTCATCCCC
	48721	CCCCCCATCT	TGTCCC	AAAACAAGG	TCTGGTAGTT	AGGACAACGA	CCGCAGTTCT
	48781	CGTGTGT	TTTCGCTCTC	CGCCTCTCG	AGATGGACCC	GTACTGCCA	TTTGACGCTC
	48841	TGGACGTCTG	GGAACACAGG	CGCTTCATAG	TCGCGGATT	CCGAAACTTC	ATCACCCCCG
	48901	AGTTCCCCCG	GGAC	TTTGG	ATGTCGCCCG	CCCCCGGGAG	ACGGCGGGCGG
	48961	AGCAGGTGGT	CGTCCTACAG	GCCCAGCGCA	CAGCGGCTG	CGCTGCCCTG	GAGAACGCCG
	49021	CCATGCGAGG	GGCCGAGCTC	CCCGTCGATA	TCGAGCGCCG	GTTACGCCC	ATCGAACGGA
	49081	ACGTGCACGA	GATCGCAGG	GCCCTGGAGG	CGCTGGAGAC	GGCGCGGCC	GCCGCCGAAG
	49141	AGGCGGATGC	CGCGCGCGGG	GATGAGCCGG	CGGGTGGGGG	CGACGGGGGG	GCGCCCCCGG
	49201	GTCTGCCGT	CGCGGAGATG	GAGGTCCAGA	TCGTGCGCAA	CGACCCGCCG	CTACGATAACG

	49261	ACACCAACCT	CCCCGTGGAT	CTGCTACACA	TGGTGTACGC	GGGCCGCGGG	GCGACCGGCT
	49321	CGTCGGGGGT	GGTGTTCGGG	ACCTGGTACC	GCACTATCCA	GGACCGCACC	ATCACGGACT
	49381	TTCCCCTGAC	CACCCGCAGT	GCCGACTTTC	GGGACGGCCG	TATGTCCAAG	ACCTTCATGA
5	49441	CGGCGCTGGT	ACTGTCCCTG	CAGGCGTGCG	GCCGGCTGTA	TGTGGGCCAG	CGCCACTATT
	49501	CCGCCCTCGA	GTGCGCGTG	TTGTGTCTCT	ACCTGCTGTA	CCGAAACACG	CACGGGGCCG
	49561	CCGACGATAG	CGACCGCGCT	CCGGTCACGT	TCGGGGATCT	GCTGGGCCGG	CTGCCCCGCT
	49621	ACCTGGCGTG	CCTGGCCGCG	GTGATCGGGG	CCGAGGGCGG	CCGGCCACAG	TACCGCTACC
	49681	GCGACGACAA	GCTCCCCAAG	ACCGAGTTCG	CGGCCGGCGG	GGGCCGCTAC	GAACACGGAG
10	49741	CGCTGGCGTC	GCACATCGTG	ATCGCCACGC	TGATGCACCA	CGGGGTGCTC	CCGGCGGCC
	49801	CGGGGGACGT	CCCCCGGGAC	GCGAGTACCC	ACGTTAACCC	CGACGGCGTG	GCGCACACG
	49861	ACGACATAAA	CCGCGCCGCC	GCCGCGTTCC	TCAGCCGGG	CCACAACCTA	TTCCTGTGGG
	49921	AGGACCAGAC	TCTGCTGC GG	GCAACCGCGA	ACACCATAAC	GGCCCTGGGC	GTTATCCAGC
	49981	GGCTCCTCGC	GAACGGCAAC	GTGTACGCGG	ACCGCCTCAA	CAACCGCCTG	CAGCTGGGCA
15	50041	TGCTGATCCC	CGGAGCCGTC	CCTTCGGAGG	CCATCGCCCG	TGGGGCCTCC	GGGTCCGACT
	50101	CGGGGGCCAT	CAAGAGCGGA	GACAACAATC	TGGAGGCGCT	ATGTGCCAAT	TACGTGCTTC
	50161	CGCTGTACCG	GGCCGACCCG	GCGGTGCGAC	TGACCCAGCT	GTTTCCCGGC	CTGGCCGCC
	50221	TGTGTCTTGA	CGCCCAGGCG	GGGCGGCCGG	TCGGGTCGAC	GCGGCGGGTG	GTGGATATGT
	50281	CATCGGGGGC	CCGCCAGGCG	GCCCTGGTGC	GCCTCACCGC	CCTGGAACTC	ATCAACCGCA
	50341	CCCGCACAAA	CCCCACCCCT	GTGGGGGAGG	TTATCCACGC	CCACGACGCC	CTGGCGATCC
20	50401	AATACGAACA	GGGGCTTGGC	CTGCTGGCGC	AGCAGGCACG	CATTGGCTTG	GGCTCCAACA
	50461	CCAAGCGTTT	CTCCCGGTTTC	AACGTTAGCA	GCGACTACGA	CATGTTGTAC	TTTTTATGTC
	50521	TGGGGTTCAT	TCCACAGTAC	CTGTCGGCGG	TTTAGTGGGT	GGTGGGCCAG	GGGGGAGGGG
	50581	GCATTAGGGA	AAAAAAACAA	GAGCCTCCGT	TGGGTTTTCT	TTGTGCCTGT	ACTCAAAGG
	50641	TCATAACCCCG	TAAACGGCGG	GCTCCAGTCC	CGGCCCGGCC	GTTGGCGTGA	ACGCAACGGC
25	50701	GGGAGCTGGG	TTAGCGTTA	GTTTAGCATT	CGCTCTCGCC	TTTCCGCCCG	CCCCCGGACC
	50761	GTTGCGCCTT	TTTTTTTTTC	GTCCACCAAA	GTCTCTGTGG	GTGCGCGCAT	GGCAGCCGAT
	50821	GCCCCGGGAG	ACCGGATGGA	GGAGCCCCCTG	CCCGACAGGG	CCGTGCCCCAT	TTACGTGGCT
	50881	GGGTTTTTGG	CCCTGTATGA	CAGCGGGGAC	TCGGGCGAGT	TGGCATTGGA	TCCGGATACG
	50941	GTGCGGGCGG	CCCTGCCTCC	GGATAACCCA	CTCCCGATTA	ACGTGGACCA	CCGGCGCTGGC
30	51001	TGCGAGGTGG	GGCGGGTGCT	GGCCGTGGTC	GACGACCCCC	GGGGGCCGTT	TTTTGTGGGG
	51061	CTGATCGCCT	CGGTGCGACT	GGAGCGCGTC	CTCGAGACGG	CCGCCAGCGC	TGCGATTTTC
	51121	GAGCGCCGCG	GGCCGCCGCT	CTCCCCGGGAG	GAGCGCCTGT	TGTACCTGAT	CACCAACTAC
	51181	CTGCCCTCGG	TCTCCCTGGC	CACAAAACGC	CTGGGGGGCG	AGGCGCACCC	CGATCGCACG
	51241	CTGTTCGCGC	ACGTGCGCT	GTGCGCGATC	GGGCGCGGCC	TCGGCACTAT	CGTCACCTAC
35	51301	GACACCGGTC	TCGACGCCGC	CATCGCGCCC	TTTCGCCACC	TGTCGCCGGC	GTCTCGCGAG
	51361	GGGGCGCGGC	GAATGGCCGC	CGAGGCCGAG	CTCGCGCTGT	CCGGGCGCAC	CTGGGCGGCC
	51421	GGCGTGGAGG	CGCTGACCCA	CACGCTGCTT	TCCACGCCG	TTAACAAACAT	GATGCTGCGG
	51481	GACCGCTGGA	GCCTGGTGGC	CGAGCGGCCG	CCGCAGGCCG	GGATCGCCGG	ACACACCTAC
	51541	CTCCAGGCGA	GCGAAAAATT	CAAAATGTGG	GGGGCGGAGC	CTGTTCCGC	GCCGGCGCGC
40	51601	GGGTATAAAGA	ACGGGGCCCC	GGAGTCCACG	GACATACCGC	CCGGCTCGAT	CGCTGCCGCG
	51661	CCGCAGGGTG	ACCGGTGCC	AATCGTCCGT	CAGCGCGGGG	TCGCCTTGTC	CCCGGTACTG
	51721	CCCCCCATGA	ACCCCGTTCC	GACATCGGGC	ACCCCGGCC	CCGCGCCGCC	CGGCGACGGG
	51781	AGCTACCTGT	GGATCCCGC	CTCCCATTA	AACCAGCTCG	TCGCCGGCCA	TGCGCGGCC
	51841	CAACCCCAGC	CGCATTCCGC	GTTTGGTTTC	CCGGCTCGGG	GGGGGTCGCGT	GGCTATGGG
45	51901	CCTCACGGTG	CGGGTCTTTC	CCAGCATTAC	CCTCCCCACG	TCGCCCCATCA	GTATCCCGGG
	51961	GTGCTGTTCT	CGGGACCCAG	CCCACTCGAG	GCGCAGATAG	CCGCGTTGGT	GGGGGCCATA
	52021	GCCCGGGACC	GCCAGGGCGG	CGGTCAAGCCG	GCCGCGGGAG	ACCCCTGGGT	CCGGGGGTGCG
	52081	GGAAAGCGTC	GCCGGTACGA	GGCGGGGCCG	TCGGAGTCCT	ACTGCGACCA	GGACGAACCG
	52141	GACCGGGACT	ACCCGTACTA	CCCCGGGGAG	GCTCGAGGCG	CGCCGCGCGG	GGTCGACTCC
50	52201	CGGCGCGCGG	CCCGCCATT	TCCCAGGAC	AACGAGACCA	TCACGGCGCT	GATGGGGCG
	52261	GTGACGTCTC	TGCAGCAGGA	ACTGGCGCAC	ATGCGGGCTC	GGACCGAGCG	CCCTATGGA
	52321	ATGTACACGC	CGGTGGCGCA	CTATCGCCCT	CAGGTGGGG	AGCCGGAAC	AAACACGACC
	52381	CACCCGGCCC	TTTGTCCCCC	GGAGGCCGTG	TATGCCCCC	CACCACACAG	CGCCCCCTAC
	52441	GGTCCCTCCCC	AGGGTCCGGC	GTCCCATGCCC	CCCACCCCC	CGTATGCCCC	AGCTGCCTGC
55	52501	CCGCCAGGCC	CGCCACCGCC	CCCATGTCCT	TCCACCCAGA	CGCGCGCCCC	TCTACCGACG
	52561	GAGCCCCGCGT	TCCCCCCC	CGCCACCGGA	TCCCAACCGG	AGGCATCAA	CGCGGAGGCC
	52621	GGGGCCCTTG	TCAACGCCAG	CAGCGCAGCA	CACGTGGACG	TTGACACGGC	CCGCGCCGCC
	52681	GATTGTTCG	TCTCTCAGAT	GATGGGGGCC	CGCTGATTG	CCCCGGTCTT	TGGTACCATG
	52741	GGATGTCTTA	CTGTATATCT	TTTTAAATAA	ACCAGGTAAT	ACCAAAATAAG	ACCCATTGGT

	52801	GTATGTTCTT	TTTTTATTGG	GAGGCACGGG	TAGGCACGGTA	GCTTTACAAT	GCAAAAGCCT
	52861	TCGACGTGGA	GGAAGGCGTG	GGGGGGGGGG	GAATCGGCAC	TGACCAAGGG	GGTCCGTTT
	52921	GTCACGGGAA	AGGAAAGAGG	AAACAGGCCG	CGGACACCCCG	GGGGAGTTTG	TGTTCCCTTT
	52981	TCTTCTTCC	CACACACACA	AAAGGCGTAC	CAAACAAACA	AACCAAAAGA	TGCACATGCG
5	53041	GTAAACACC	CGTGGTTTT	ATTACAACA	AACCCCCCAT	CACAGGTCGT	CCTCGTCGGC
	53101	GTCACCGTCT	TTGTTGGGAA	CTTGGGTGTA	GTTGGTGTG	CGGCGCTTGC	GCATGACCAT
	53161	GTCGGTGACC	TTGGCGCTGA	GCAGCGCGCT	CGTCCCTTC	TTCTTGGCCT	TGTGTTCCGT
	53221	GCGCTCCATG	GCAGACACCA	GGGCATGTA	CCGTATCATC	TCCCGGGCT	CGGCTAGCTT
	53281	GGCCTCGTCA	AAGTCGCCGC	CCTCCTCGCC	CTCCCCGGAC	GCGTCCGGGT	TGGTGGGGTT
10	53341	CTTGAGCTCC	TTGGTGGTTA	GCGGGTACAG	GGCCTTCATG	GGGTTGCTCT	GCAGCCGCAT
	53401	GACGTAGCGA	AAGGCGAAGA	AGGCCGCCGC	CAGGCCGGCC	AGGACCAACA	GACCCACGGC
	53461	CAGCGCCCCA	AAGGGGTTGG	ACATGAAGGA	GGACACGCC	GACACGGCCG	ATACCACGCC
	53521	GCCCACGATG	CCCATCACCA	CCTTGGCCGAC	CGCGCGCCCC	AGGTCGCCA	TCCCCTCGAA
	53581	GAACCGCGCC	AGGCCCGCAA	ACATGGCGGC	GTTGGCGTCG	GCGTGGATGA	CCGTGTCGAT
15	53641	GTCGGCGAAG	CGCAGGTCTG	GCAGCTGGTT	CGGGCGCTGG	ACCTCCGTGT	AGTCCAGCAG
	53701	GCCGCTGTCC	TTGATCTCGT	GGCGGGGTGTA	CACCTCCAGG	GGGACAAACT	CGTGATCCTC
	53761	CAGCATGGTG	ATGTTGAGGT	CGATGAAGGT	GCTGACGGTG	GTGATGTCGG	CGCGGCTCAG
	53821	CTGGTGGGAG	TACCGTACT	CCTCGAAGTA	CACGTAGCCC	CCACCGAAGG	TGAAGTAGCG
	53881	CCGGTGTCCC	ACGGTGCACG	GCTCGATCGC	ATCGCGCGTC	AGCCGCAGCT	CGTTGTTCTC
20	53941	CCCCAGCTGC	CCCTCGACCA	ACGGGCCCTG	GTCTTCGTAC	CGAAAGCTGA	CCAGGGGGCG
	54001	GCTGTAGCAG	CCCCCGGGCC	GCGAGCTGAT	CGCGCATCGAG	TTTTGGACGA	TCACGTTGTC
	54061	CGCGCGCACC	GGCACCCACG	TGGAGACGGC	CATCACGTG	CCGAGCATCC	CGCGCGCTCAC
	54121	CCGCCGGCCC	ACGGTGGCCG	AGGCGATGGC	GTTGGGGTTC	AGCTTGGGGG	CCTCGTTCCA
	54181	CAGGGTCAGC	TCGTGATTCT	GCAGCTCGCA	CCACCGCAGT	GCAACCGGGC	CCAACATATC
25	54241	GTTGACATGG	CGCTGTATGT	GGTTGTACGT	AAACTGCAGC	CTGGCGAAGT	CGATGGAGGA
	54301	GGTGGTCTTG	ATGCGCTCCA	CGGACCGCTT	GGCGCTGGCC	CCGGCGGGCG	GGGGCGCTGGG
	54361	GTGTTGGGGC	TTGCGGCTCT	GCTCGCGGAG	GTTTCCCGC	ACGTACAGCT	CCGCGAGCGT
	54421	GTTGCTGAGA	AGGGGCTGGT	ACGCGATCAG	AAAGCCCCCA	TTGGCCAGGT	AGTACTGCGG
	54481	CTGGCCCACC	TTGATGTGCG	TCGCCTTGTA	CCTGCAGGGCG	AAGATGCGGT	CCATGGCGTC
30	54541	CGGGCGTCC	TTGCCGATGC	AGTCCCCCAG	GTCCACGCGC	GAGAGCGGGT	ACTCGGTACG
	54601	GTTGGTGGTG	AAGGTGGTGG	ATATGGCGTC	GGAAGAGAAT	CGGAAGGAGC	CGCCGTACTC
	54661	GGAGCGCAGC	ATCTCGTCCA	CCTCCTGCCA	CTTGGTCATG	GTGCAGACCG	ACGGGCCTT
	54721	TGGCACCCAG	TCCCAGGCCA	CGGTGAACCT	GGGGGTCGTG	AGCAGGTTCC	GGGTGGTCGG
	54781	CGCCGTGGCC	CGGGCCTTGG	TGGTGAGGTC	GCGCGCGTAG	AAGCCGTCGA	CCTGCTTGAA
35	54841	GCGGTGGCG	GCGTAGCTGG	TGTGTTCGGT	GTGCGACCCC	TCCCAGTAGC	CGTAAAACGG
	54901	GGACATGTAC	ACAAAGTCGC	CAGTCGCCA	CACAAACTCG	TGTCACGGGT	ACACCGAGCG
	54961	CGCGTCCACC	TCCTCGACGA	TGCAAGTTAC	CGTCGTCCCG	TACCGGTGGA	ACGCCTCCAC
	55021	CCGCGAGGGG	TTGTACTTGA	GGTCGGTGGT	GTGCCAGCCC	CGGCTCGTGC	GGGTGCGGGC
	55081	GTTGGCCGGT	TTCACTCCA	TGTCGGTCTC	GTGGTCGTCC	CGGTGAAACG	CGGTGGTCTC
40	55141	CAGGGTGTGTT	CGCACGTACT	TGGCCGTGGA	CCGACAGACC	CCCTTGGCGT	TGATCTTGTC
	55201	GATCACCTCC	TCGAAGGGGA	CGGGGGCGCG	GTCCCTCAAAG	ATCCCCATAA	ACTGGGAGTA
	55261	GCGGTGGCCG	AACCACACCT	CGCAAACGGT	GACGTCTTTC	TAGTACATGG	TGGCTTGAA
	55321	CTTGTACGGG	GCGATGTTCT	CCTTGAAGAC	CACCGCGATG	CCCTCCGTGT	AGTTCTGACC
	55381	CTCGGGCCGG	GTCGGGCAGC	GGCGCGGGCTG	CTCGAACCTGC	ACCACCGTGG	CGCCCGTGGG
45	55441	GGGTGGGCAC	ACGTAAAAGT	TTGCATCGGT	GTTCTCCGCC	TTGATGTCCTC	GCAGGTGCTC
	55501	GCGCAGGGTG	CGCGTGGCCCG	CGCGACGGT	CGCGTTGTCG	CGGGCGGGGG	GCGGCGGCTT
	55561	TGGGGGTTTC	GGTTTCTCTG	TCTTCTTCGG	TTTCGGGTCC	CCCGTTGGGG	GGGCGCCAGG
	55621	GGCGGGCGGC	GCCGGAGTGG	CAGGGCCCCC	GTTCGCCGCC	TGGGTGCGGG	CCGCGACCCC
	55681	AGGCGTGCCG	GGGGAACCTCG	GAGCCGCCGA	CGCCACCAAG	ACCCCCAGCG	TCAACCCCAA
50	55741	GAGGCCCAT	ACGACGAACC	ACCGGCC	CCGCGCGGGG	GCGCCCTGGC	GCATGGCGGG
	55801	ACTACGGGGG	CCCCTCGTGC	CCCCCGTCAG	GTAGCCTGGG	GGCGAGGTGC	TGGAGGACCG
	55861	AGTAGAGGGAT	CGAGAAAACG	TCTCGGTCTG	AGACCAACGAC	CGACCGGGGG	CCGATACAGC
	55921	CGTCTGGGGC	GCTCTCGACG	ATGGCCACCA	GCGGACAGTC	GGAGTCGTAC	GTGAGATATA
	55981	CGCGGGCGGG	GTAACGGTAA	CGACCTTCGG	AGGTCGGGCG	GCTGCAGTCC	GGGCGGGCGCA
55	56041	ACTCGAGCTC	CCCACCGG	TAGACCGAGG	CAAAGAGTGT	GGTGGCGATA	ATCAGCTCGC
	56101	GAATATATCG	CCAGGCGGCG	CGCTGAGTGG	GGCTTATTCC	GGAAATGCCG	TCAAAACAGT
	56161	AAAACCTCTG	AAATTGCGTG	ACGGCCCAAT	CAGCACCCGA	GCCCCCGGCC	CCCATGATGA
	56221	ACCGGGCGAG	CTCCTCTTC	AGGTGCGGCCA	GGAGCCCCAC	GTTCTCGACG	CTGTAATACA
	56281	GCGCGGTGTT	GGGGGGCTGG	GCGAAGCTGT	GGGTGGAGTG	ATCAAAGAGG	GGCCCCTTGTA

	56341	CGAGCTCGAA	GAAGCGATGG	GTGATGCTGG	GGAGCAGGGC	CGGGTCCACC	TGGTGTGCA
	56401	GGAGAGACGC	TCGCATGAAC	CGGTGCGCGT	CGAACACGCC	CGGCGCCGAG	CGGTTGTCGA
	56461	TGACCGTGCC	CGCGCCCCGC	GTCAGGGCGC	AGAACGCGC	GCGCGCCGCA	AAGCCGTTGG
5	56521	CGACCCCGGC	GAACGTCGCG	GGCAGCACCT	CGCCGTGGAC	GCTGACCCGC	AGCATCTTCT
	56581	CGAGCTCCCC	GCGCTGCTCG	CGGACGCAGC	GCCCCAGGCT	GGCCAACGAC	CGCTTCGTC
	56641	GGCGGTCCGC	GTACAGCCGC	CGTCGCTCCC	GCACGTCCGC	GGCGCCTTGC	GTGGCGATG
	56701	CCCCCCCACGT	CTCGGGCCCC	TGCCCCCCC	GCCCCGGCG	ACGGTCTTCG	TCCTCGCCCC
	56761	CGCCCCCGGG	AGCTCCCAAC	CCCCGTGCC	CTTCCTCTAC	GGCGACACGG	TCCCCGTC
10	56821	CGTCCCCGCC	CGCGCCGCC	TTGGGCGCGT	CCGCCGCGCC	CCCCGCC	ATGCGCGCA
	56881	GCACCGCAGC	CAGCGCTCC	TCGTCGCACT	GTTCGGGCT	GACGAGGCG	CGCAAGAGCG
	56941	GCGTCGTCAG	GTGGTGGTCG	TAGCACGCG	GGATGAGCG	CTCGATCTGA	TCGTCGGGTG
	57001	ACGTGGCCTG	ACCGCCGATT	ATTAGGGCGT	CCACCATATC	CAGCGCCGCC	AGGTGGCTCC
	57061	CGAACCGCGG	ATCGAAATGC	TCCGCCGCC	GCCCCAACAG	CGCCAGTCC	ACGGCCACCG
15	57121	CGGCGGTCTC	CTGCTGCAAC	TCGCGCCGCG	CCAGCGCGT	CAGGTTGCTG	GCAAACGCGT
	57181	CCATGGTGGT	CTGGCCGGCG	CGGTGCGCCGG	ACGCGAGCCA	GAATCGCAAT	TCGCTGATGG
	57241	CGTACAGGCC	GGGCGTGGTG	GCCGTAAACA	CGTCGTGCGC	CTCCAGCAGG	GCGTCGGCCT
	57301	CCTTGGGAC	CGAGTCGTT	TCGGGCGACG	GGTGGGGCTG	CCCCTGCC	CCCGCGGTCC
	57361	GGGCCAGCGC	ATGGTCCAAC	ACGGAGAGCG	CCCGCGCGC	GTCGGCGTCC	GACAGCCGG
	57421	CGGCGTGGGG	CAGGTACCGC	CGCAGCTCGT	TGGCGTCCAG	CCGCACCTGC	GCCTGCTGGG
20	57481	TGACGGTGGTT	ACAGATAACGG	TCCGCCAGGC	GGCGGGCGAT	CGTCGCC	TGGTTCGCG
	57541	TCACACACAG	TTCCCTGAAA	CAGACCGCGC	AGGGGTGGGA	CGGGTCGTA	AGCTCCGGGG
	57601	GGACGATAAG	GCCCCACCCC	ACCGCCCCCA	CCATAAAACTC	CCGAACGCG	TCCAGCGCG
	57661	CGGTGGCGCC	GCGCGAGGGG	GTGATGAGGT	GGCAGTAGTT	TAGCTGCTT	AGAAAGTTCT
	57721	CGACGTCGTG	CAGGAAACAC	AGCTCCATAT	GGACGGTCCC	GCCATACGTA	TCCAGCCTGA
25	57781	CCCGTTGGTG	ATACGGACAG	GGTCGGGCCA	GGCCCATGGT	CTCCGTAAA	AACGCCGCGA
	57841	CGTCTCCC	GGTCGCGAAC	GTCTCCAGGC	TGCCCAGGAG	CCGCTGCC	TCGCGCCACG
	57901	CGTACTCTAG	CAGCAACTCC	AGGGTACCG	ACAGCGGGT	GAGAAAGGCC	CCGGCCTGGG
	57961	CCTCAGGCC	CGGCCTCAGA	CGACGCCGCA	GCGCCCGCAC	CTGAAGCGC	TTCAGCTTCA
	58021	GTTGGGGAG	CTTCCCCCGT	CCGATGTGGG	GGTCCGACCG	CCGGAGCAGC	TCTATCTGAA
30	58081	ACACATAGGT	CTGCACCTGC	CCGAGCAGGG	CTAACAACTT	TTGACGGGCC	ACGGTGGGCT
	58141	CGGACACCGG	GGCGGCCATC	TCGCGGCC	GATCTGTACC	GCGGCCGGAG	TATGCGGTGG
	58201	ACCGAGGCCG	TCCGTACGCT	ACCCGGCGTC	TGGCTGAGCC	CCGGGGTCCC	CCTCTTCGGG
	58261	GCGGCCCTCCC	GCGGGCCCGC	CGACCGGCAA	GCGGGAGTC	GGCGGCCGCGT	GCGTTCTGC
	58321	TCTATTCCCA	GACACCGCGG	AGAGGAATCA	CGGCCC	AGAGATATAG	ACACGGAACAA
35	58381	CAAACAAGCA	CGGATGTCGT	AGCAATAATT	TATTTTACAC	ACATTCCCCG	CCCCGCCCTA
	58441	GGTCCCCCCC	CCCCCCCAACC	CCTCACAGCA	TATCCAACGT	CAGGTCTCCC	TTTTTGTGCG
	58501	GGGGCCCCCTC	CCCAAACGGG	TCATCCCCGT	GGAACGCCCG	TTTGC	GCAAATGCG
	58561	GTCCCGGGGC	CCCCGGGCCG	CGGAACGGCG	TCGCGTTGTC	GTCCTCGCAG	CCAAAATCCC
	58621	CAAAGTTAAA	CACCTCCCCG	GCGTTGCCGA	GTTGGCTGAC	TAGGGCTCG	GCCTCGTGC
40	58681	CCACCTCCAG	GGCCGCGTCC	GTCGACCACT	CGCCGTTGCC	GCGCTCCAGG	GCACGCCGCG
	58741	TCAGCTCCAT	CATCTCTCG	CTTAGGTACT	CGTCCTCCAG	GAGGCCAGC	CAGTCCTCGA
	58801	TCTGCAGCTG	CTGGGTGCGG	GGCCCCAGGC	TTTTACG	CGCCACGAA	ACGCTACTGG
	58861	CGACGGCCGC	CCC	GAGATAATGC	CCC	GAGCTTCTG	GAGCTTCTG
	58921	GCGCTCCGCC	GCGGAGCGT	GAGGCCGCGC	ACACAAACCC	GGCCCGGGGA	CAGGCCAGGA
45	58981	CGAACCTTGC	GGTGC	AAAATAAGGA	GC	GTTTTGCCG	CCCATCAGGC
	59041	TGGCCCAGTT	CCC	AAACACACGGT	GG	CATGCCGTAG	TACTTGCTGA
	59101	TGCTCAACCC	CAACACGACC	ATGGGGCGCG	CCG	GGGCCGCGAGC	AGGTTGCGAC
	59161	TGGCGAACAT	GGACG	TCCAC	GCG	GGCGTCCATC	AGCGCGCGGG
	59221	CCCCGGCCTC	CAGGCCGCC	CCGCC	GG	TGCA	GCTGG
50	59281	GGGGACGGCG	GGACCCCGCG	ATGATGGCCG	TAAGGGT	GATGAAGTAT	GTCGAGTGAT
	59341	CGCAGTACCG	CAGAATCTGG	TTTGCCATGT	AGTACATCGC	CAGCTCGCTC	ACGTTGTTGG
	59401	GGGCCAGGTT	AATAAAAGTT	ATCGCGCCG	AGTC	AAACTTTTA	ATGAACGCGA
	59461	TGGTCTCGAT	GTCCTCGCG	GACAGGAGCC	GGG	CTGGTTGCC	TGGAGGGCCG
	59521	TCCAGAACCA	CTGCGGGTTC	GGCTGGTTGG	ACCC	CTTGCCGTT	GGGAAGATGG
55	59581	CCCGCGTGGAA	CTGCTTCAGC	AGAAAGCCCA	GC	GAGGATGTCC	ACCGCCTTGT
	59641	CGGGCTTCTG	GTAGGCGCTC	TGGAGGCTGG	GG	CTTGGCGGCC	TCGGACGCG
	59701	TGGCGCTCGC	GCCC	GAACACGCGC	TCTTGACGCG	CAGCTCCTTG	GGAAACCCCA
	59761	GGGTCAACGCG	GGCAACGTCG	CCCTCGAAGC	TGCTCTCGC	GGGGGCCGTC	TGGCCGGCCG
	59821	TTAGGCTGGG	GGCGCAGATA	GGCGCCCCCT	CCGAGAGCGC	GACCGTCAGC	GTTTTGCCG

	59881	ACAGAAACCC	GTTGTTAAC	ATGTCCATCA	CGCGCCGCCG	CAGCACCGGT	TGGAATTGAT
	59941	TGCGAAAGTT	GCGCCCTCG	ACCGACTGCC	CGCGAACAC	CCCCTGGCAC	TGACTCAGGG
5	60001	CCAGGTCTG	GTACACGGCG	AGGTTGGATC	GCCGCCCGAG	AAGCTGAAGC	AGGGGGCACG
	60061	GCCCCCACGC	GTACGGGTCC	ACCGTCAGGG	ACATGGCGTG	GTTGGCCTCG	CCCAGACCGT
60121	CGCGAAACTT	GAAGTTCTC	CCCTCCACCA	GGTTGCGCAT	CAGCTGCTCC	ACCTCGCGGT	
60181	CCACGACCTG	CCTGACGTTG	TTCAACCACCG	TATGCAGGGC	CTCGCGGTTG	GTGATGATGG	
60241	TCTCCAGCCG	CCCCATGGCC	GTGGGGACCG	CCTGGTCCAC	GTACTGCAGG	GTCTCGAGTT	
60301	CGGCCATGAC	GCGCTCGGTC	GCCGCCGGT	ACGTCTCCTG	CATGATGGTC	CGGGCGGTCT	
60361	CGGATCCGTC	CGCGCGCTTC	AGGGCCGAGA	AGGCGGCGTA	GTTTCCCAGC	ACGTCGCAGT	
60421	CGCTGTACAT	GCTGTTCATG	GTCCCGAAGA	CGCCGATGGC	TCCGCGGGCG	GCGCTGGCGA	
60481	ACTTTGGATG	GCGCGCCCGG	AGGCGCATGA	GCGTCGTGTG	TACGCAGGCG	TGGCGCGTGT	
60541	CGAAGGTGCA	TAGGTTACAG	GGCACGTCGG	TCTGGTTGGA	GTCCGCGACG	TATCGAAACA	
60601	CGTCCATCTC	CTGGCGCCCG	ACGATCACGG	CGCCGTCGCA	GCGCTCCAGG	AAAAACAGCA	
60661	TCTGGGCCAG	CAGCGCCGGG	GAAAACCCAC	ACAGCATGGC	CAGGTGCTCG	CCGGCAAATT	
60721	CCTGGGTTCC	GCCGACCGAGG	GGCGCGGTGG	GCCGACCCCTC	GAACCCGGGC	ACCACGTGTC	
60781	CCTCGCGGTC	CACCTGTGGG	TTGGCCGCCA	CGTGGGTCCC	GGGCACGAGG	AAGAACCGGT	
60841	AAAAGGAGGG	TTTGCTGTGG	TCCTTTGGGT	CCGCCGGGCC	GGCGTCGTCC	ACCTCGGTGA	
60901	GATGGAGGGC	CGAGTTGGTG	CTAAATACCA	TGGCCCCCAC	GAGTCCCGCG	GCGCGCGCCA	
60961	GGTACGCCCC	GACGGCGTTG	GGCGGGGCCG	CGGCCGTGTC	CTGGCCCTCG	AACAGCGGCC	
61021	ACGGGGAGAT	GTCGGTGGGC	GGCTCGTCAA	AGACGGCCAT	CGACACGATA	GACTCGAGGG	
61081	CCAGGGCGGC	GTCTCCGGCC	ATGACGGAGG	CCAGGCGCTG	TTCGAACCCG	CCCGCCGCGC	
61141	CCTTGCCGCC	GCCGTCCGCG	CCGCCCCGCG	GGGTCTTACCC	CTGGCTGGCT	TCGAAGGCCG	
61201	TGAACGTAAT	GTCGGGGGGG	AGGGCGGCGC	CCTCGTGGTT	TTCGTAAAC	GCCAGGTGGG	
61261	CGGCCGCGCG	GGCCACGGCG	TCCACGTTTC	GGCATCGCAG	TGCCACGGCG	GCGGGTCCCA	
61321	CGACCGCCTC	GAACAGGAGG	CGGTTGAGGG	GGCGGTTAAA	AAACGGAAGC	GGGTAGGTAA	
61381	ATTTCTCCCC	GATCGATCGG	TGTTTGGCGT	TGAACGGCTC	TGCGATGACA	CGGCTAAAAT	
61441	CCGGCATGAA	CAGCTGCAAC	GGGTACACGG	GTATCGGTG	CACCTCCGCC	CCGCCTATGG	
61501	TTACCTGTGTC	CGAGCCTCCC	AGGTGCAGAA	AGGTGTTGTT	GATGCACACG	GCCTCCTTGA	
61561	AGCCCTCGGT	AACGACCAAGA	TACAGGAGGG	CGCGGTCCGG	GTCCAGGCCG	AGGCGCTCAC	
61621	ACAGCGCCTC	CCCCGTCGTC	TCGTGTTGA	GGTCCCGGGG	CCGGGGGGTG	TAGTCCGAAA	
61681	AGCCAAAATG	GCGGCGTGCC	CGCTCGCAA	GTGCGTCAG	GTTCGGGGCC	TGGGTGCTGG	
61741	GGTCAGGTG	CCGGCCGCCG	TGAAAGACGT	ACACGGACGA	GCTGTAGTGC	GAGGGCGTCA	
61801	GTTCAGGGG	CACCGCGGTA	CCCCCGAGCC	CCGTCGTGCG	AGAACCCACG	ACCACGGCCA	
61861	CGTTGGCCTC	AAAGCCGCTC	TCCACGGTCA	GGCCCCACGAC	CAGGGGGGCC	ACGGCGACGT	
61921	CGGAATCGCC	GCTGCGTGC	GACAGTAACG	CCAGAACGTC	GATGCCTTCG	GACGGACACG	
61981	CGCGAGCGTA	CACGTATCCC	AGGGGCCCGG	GGGGGACCTT	GATGGTGGTT	GCGTCTTGG	
62041	GCTTTGTCTC	CATGTCTTT	TGTCATCGG	TCCCGAAGCG	GAGGTAATCC	CGGCACGACG	
62101	ACGGACGCC	GACAAGGTAT	GTCTCCCGAG	CGTCAAAATC	CGGGGGGGGG	CGGCGACGGT	
62161	CAAGGGGAGG	GTTGGAGACC	GGGGTTGGGG	AATGAATCCC	TCCCCTTAC	CGACAACCCC	
62221	CCGGGTAACC	ACGGGGTCGC	CGATGAACCC	CGGCGGCCGG	CAACGCGGGG	TCCCTCGCGAG	
62281	AGGCACAGAT	GCTTACGGTC	AGGTGCTCCG	GGTGGGGTGC	GTCTGGTATG	CGGTTGGTAT	
62341	ATGTACACTT	TACCTGGGGG	CGTGCCTGGTC	CGCCCCAGCC	CCTCCCAACGC	CCCGCGCGTC	
62401	ATCAGCCGGT	GGCGCTGGCC	GCTATTATAA	AAAAAGTGAG	AACGCGAAGC	GTTCGCACTT	
62461	TGTCTTAATA	ATATATATAT	TATTAGGACA	AAAGTGCAC	GCTTCGCGTT	CTCACTTTTT	
62521	TTATAATAGC	GGCCACGCC	ACCGGCTACG	TCACTCTCCT	GTCGGCCGCC	GGCGGTCCAT	
62581	AAGCCCGGCC	GGCCGGGCCG	ACCGAATAA	ACCGGGCCGC	CGGCCGGGGC	GCGCGCAGC	
62641	AGCTCGCCGC	CCGGATCCGC	CAGACAAACA	AGGCCCTTGC	ACATGCCGGC	CGGGCGAGC	
62701	CTGGGGGTCC	GGTAATTGG	CCATCCCACC	CAAGCGGCTT	TTTGGGTTTT	TCTCTTCCCC	
62761	CCTCCCCACA	TTCCCCCTT	TAGGGGTTCG	GGTGGGAACA	ACCGCGATGT	TTTCCGGTGG	
62821	CGGGGGCCCG	CTGTCCCCCG	GAGGAAAGTC	GGCGGCCAGG	CGGGCGTCCG	GGTTTTTTCG	
62881	GCCCGCCGGC	CCTCGCGGAG	CCAGCGGGG	ACCCCGCCCT	TGTTTGAGGC	AAAACTTTA	
62941	CAACCCCTAC	CTCGCCCCAG	TCGGGACGCC	ACAGAACGCC	ACCGGGCCAA	CCCAGCGCCA	
63001	TACGTACTAT	AGCGAATGCG	ATGAATTTCG	ATTCATGCC	CGCGGGGTGC	TGGACGAGGA	
63061	TGCCCCCCC	GAGAAGCGCG	CCGGGGTGC	CGACGGTCAC	CTCAAGCGCG	CCCCCAAGGT	
63121	GTACTCGGGG	GGGGACGAGC	GCGACGTCTT	CCGCGTCGGG	TCGGGCGGCT	TCTGGCCGCG	
63181	GCGCTCGCGC	CTGTGGGGCG	GGTGGACCA	CGCCCCGGCG	GGGTTCAACC	CCACCGTCAC	
63241	CGTCTTTCAC	GTGTACGACA	TCCTGGAGAA	CGTGGAGCAC	GCGTACGGCA	TGCGCGCGGC	
63301	CCAGTTCCAC	GCGCGGTTTA	TGGACGCCAT	CACACCGACG	GGGACCGTCA	TACAGCTCCT	
63361	GGGCCTGACT	CGGAAGGCC	ACCGGGTGGC	CGTTCACGTT	TACGGCACGC	GGCAGTACTT	

	63421	TTACATGAAC	AAGGAGGAGG	TCGACAGGCA	CCTACAATGC	CGCGCCCCAC	GAGATCTCTG
	63481	CGAGCGCATG	GCCGCGGCC	TGCGCGAGTC	CCCGGCGCG	TCGTTCCGCG	GCATCTCCGC
	63541	GGACCACCTTC	GAGGCGGAGG	TGGTGGAGCG	CACCGACGTG	TACTACTACG	AGACGCGCCC
5	63601	CGCTCTGTTT	TACCGCGTCT	ACGTCCGAAG	CGGGCGTGTG	CTGTCGTACC	TGTGCGACAA
	63661	CTTCTGCCG	GCCATCAAGA	AGTACGAGGG	TGGGGTCGAC	GCCACCAACC	GGTCATCCT
	63721	GGACAAACCC	GGGTTCGTCA	CCTTCGGCTG	GTACCGTCTC	AAACCGGGCC	GGACAAACAC
	63781	GCTAGCCCAG	CCGGCGGCC	CGATGGCCTT	CGGGACATCC	AGCGACGTG	AGTTAACTG
10	63841	TACGGCGGAC	AACCTGGCCA	TCGAGGGGGG	CATGAGCGAC	CTACCGGCAT	ACAAGCTCAT
	63901	GTGCTTCGAT	ATCGAATGCA	AGGCGGGGGG	GGAGGACGAG	CTGGCCTTC	CGGTGGCCGG
	63961	GCACCCGGAG	GACCTGGTCA	TCCAGATATC	CTGTCGCTC	TACGACCTGT	CCACCAACCGC
15	64021	CCTGGAGCAC	GTCCTCTGT	TTTCGCTCGG	TCCTCGAC	CTCCCCGAAT	CCCACCTGAA
	64081	CGAGCTGGCG	GCCAGGGGCC	TGCCCACGCC	CGTGGTTCTG	GAATTGACAA	GCGAATTGCA
	64141	GATGCTGTTG	GCCTTCATGA	CCCTTGTGAA	ACAGTACGGC	CCCGAGTTCG	TGACCGGGTA
20	64201	CAACATCATC	AACTTCGACT	GGCCCTTCTT	GCTGGCCAAG	CTGACGGACA	TTTACAAGGT
	64261	CCCCCTGGAC	GGGTACGGCC	GCATGAACGG	CCGGGGCGTG	TTTCGCGTGT	GGGACATAGG
	64321	CCAGAGGCCAC	TTCCAGAACG	GCAGCAAGAT	AAAGGTGAAC	GGCATGGTGA	ACATCGACAT
	64381	GTACGGGATT	ATAACCGACA	AGATCAAGCT	CTCGAGCTAC	AAGCTCAACG	CCGTGGCCGA
	64441	AGCCGTCCCTG	AAGGACAAGA	AGAAGGACCT	GAGCTATCGC	GACATCCCCG	CCTACTACGC
25	64501	CGCGGGGCC	GCGAACGCG	GGGTGATCGG	CGAGTACTGC	ATACAGGATT	CCCTGCTGGT
	64561	GGGCCAGCTG	TTTTTTAACG	TTTGCCCCA	TCTGGAGCTC	TCGGCCGTC	CGCGCTTGGC
	64621	GGGTATTAAC	ATCACCCGCA	CCATCTACGA	CGGCCAGCAG	ATCCGCGTCT	TTACGTGCCT
	64681	GCTGCGCCTG	GCCGACCAGA	AGGGCTTTAT	TCTGCCGGAC	ACCCAGGGC	GATTAGGGG
	64741	CGCGGGGGGG	GAGGCGCCCA	AGCGTCCGGC	CGCAGCCCGG	GAGGACGAGG	AGCGGCCAGA
	64801	GGAGGAGGGG	GAGGACGAGG	ACGAACGCGA	GGAGGGCGGG	GGCGAGCGGG	AGCCGGAGGG
30	64861	CGCGCGGGAG	ACCGCGGCA	GGCACGTGGG	GTACCAGGGG	GCCAGGTCC	TTGACCCCAC
	64921	TTCCGGGTTT	CACGTGAACC	CCGTGGTGGT	GTTCCACTT	GCCAGCTGT	ACCCCAGCAT
	64981	CATCCAGGCC	CACAACCTGT	GCTTCAGCAC	GCTCTCCCTG	AGGGCCGACG	CAGTGGCGCA
	65041	CCTGGAGGCC	GGCAAGGACT	ACCTGGAGAT	CGAGGTGGGG	GGGCAGCGGC	TGTTCTTCGT
35	65101	CAAGGCTCAC	GTGCGAGAGA	GCCTCCCTAG	CATCCCTCTG	CGGGACTGGC	TCGCCATGCG
	65161	AAAGCAGATC	CGCTCGGGA	TTCCCCAGAG	CAGCCCCGAG	GAGGCCGTGC	TCCTGGACAA
	65221	GCAGCAGGCC	GCCATCAAGG	TCGTGTGTA	CTCGGTGTAC	GGGTTACCGG	GAGTGCAGCA
	65281	CGGACTCCTG	CCGTGCCTGC	ACGTTGCCGC	GACGGTGTACG	ACCATCGGCC	GCGAGATGCT
	65341	GCTCGCGACC	CGCGAGTAGC	TCCACGCGCG	CTGGCGGGCC	TTCGAACAGC	TCCTGGCCGA
40	65401	TTTCCCGGAG	GCAGGCCGACA	TGCGCGCCCC	CGGGCCCTAT	TCCATGCGCA	TCATCTACGG
	65461	GGACACGGAC	TCCATCTTG	TGCTGTGCCG	CGGCCTCACG	GCCGCCGGC	TGACGGCCGT
	65521	GGCGGACAAG	ATGGCGAGCC	ACATCTCGCG	CGCGCTGTT	CTGCCCCCCA	TCAAACATCGA
	65581	GTGCGAAAAG	ACGTTCACCA	AGCTGCTGCT	GATGCCAAG	AAAAAGTACA	TCGGCGTCAT
	65641	CTACGGGGGT	AAGATGCTCA	TCAAGGGCGT	GGATCTGGTG	CGCAAAAACA	ACTGCGCGTT
45	65701	TATCAACCGC	ACCTCCAGGG	CCCTGGTCGA	CCTGCTGTT	TACGACGATA	CCGTCTCCGG
	65761	AGCGGCCGCC	GCGTTAGCCG	AGCGCCCCGC	GGAGGAGTGG	CTGGCGCGAC	CCCTGCCCCGA
	65821	GGGACTGCG	GCGTTGGGG	CCGTCTCTCG	AGACGCCCAT	CGCGCATCA	CCGACCCCGA
	65881	GAGGGACATC	CAGGACTTTG	TCCTCACCGC	CGAACTGAGC	AGACACCCGC	GCGCGTACAC
	65941	CAACAAGCGC	CTGGCCACC	TGACGGTGT	TTACAAGCTC	ATGGCCCGCC	GCGCGCAGGT
50	66001	CCCGTCCATC	AAGGACCGGA	TCCCCTACGT	GATCGTGGCC	CAGACCCCGC	AGGTAGAGGA
	66061	GACGGTCGCG	CGGCTGGCCG	CCCTCCCGCA	GCTAGACGCC	GCCGCCCGAG	GGGACGAGCC
	66121	CGCCCCCCCC	GCGGCCCTGC	CCTCCCCGGC	CAAGCGCCCC	CGGGAGACGC	CGTCGCCTGC
	66181	CGACCCCCCG	GGAGGCGCGT	CCAAGCCCCG	CAAGCTGCTG	GTGTCCGAGC	TGGCCGAGGA
	66241	TCCCGCATA	GCCATTGCC	ACGGCGTCGC	CCTGAACACG	GACTATTACT	TCTCCCACCT
	66301	GTTGGGGCG	GCGTGGTGA	CATTCAAGGC	CCTGTTGGG	AATAACGCCA	AGATCACCAGA
55	66361	GAGTCTGTTA	AAAAGGTTA	TTCCCAGAGT	GTGGCACCCC	CCGGACGACG	TGGCCGCGCG
	66421	GCTCCGGACC	GCAGGGTTCG	GGGCGGTGGG	TGCGGGCGCT	ACGGCGGAGG	AAACATCGTCG
	66481	AATGTTGCAT	AGAGCCTT	ATACTCTAGC	ATGAGCCCC	CGTCGAAGCT	GATGTCCTC
	66541	ATTTTACAAT	AAATGCTGC	GGCCGACACG	GTCGGAATCT	CCGCGTCCGT	GGGTTCTCT
	66601	GCGTTGCGCC	GGACCAAGCG	CACAAACGTG	CTCTGCCACA	CGTGGCGAC	GAACCGGTAC
	66661	CCCGGGCACG	CGGTGAGCAT	CCGGTCTATG	AGCCGGTAGT	GCAGGTGGGC	GGACGTGCCG
	66721	GGAAAGATGA	CGTACAGCAT	GTGGCCCCCG	TAAGTGGGGT	CGGGGTTAAA	CAACAGCCGC
	66781	GGGTCGCACG	CCCCGCCTCC	GCGCAGGATC	GTGTTGACGA	AAAAAAAGCTC	GGGTTGGCCA
	66841	AGAATCCGG	CCAAGAGGTC	CTGGAGGGGG	GCGTTGTGGC	GGTCGGCCAA	CACGACCAAG
	66901	GAGGCCAGGA	AGGCGCGATG	CTCGAATATC	GTGTTGATCT	GTCGACGAA	GGCCAGGATT

	66961	AGGGCCTCGC	GGCTGGTGGC	GGCGAACCGC	CCGTCTCCCG	CGTTGCACGC	GGGACAGCAA
	67021	CCCCCGATGC	CTAGGTAGTA	GCCCATCCCG	GAGAGGGTCA	GGCAGTTGTC	GGCCACGGTC
	67081	TGGTCCAGAC	AGAAGGGCAG	CGAGACGGGA	GTGGTCTTCA	CCAGGGGCAC	CGAGAGCGAG
	67141	CGCACGATGG	CGATCTCCTC	GGAGGGCGTC	TGGGCAGGG	CGGGGAAAG	GCCCCGATAG
5	67201	CGCTGGCGCT	CGTGTAAACA	CAGCTCCTGT	TTGCGGGCGT	GAGGCGGCAG	GCTCTTCCGG
	67261	GAGGCCGAC	GCACCACGCC	CAGAGTCCCG	CCGGCCGCAG	AGGAGCGCGA	CCGCCGGCGC
	67321	TCCTTGCCTG	GATAGGGCCC	GGGCCGGGAG	CCGCGGCGAT	GGGGGTGGT	GTCATACATA
	67381	GGTACACAGG	GTGTGCTCCA	GGGACAGGGAG	CGAGATCGAG	TGGCGTCTAA	GCAGCGCGCC
	67441	CGCCTCACGG	ACAAATGTGG	CGAGCGCGGT	GGGCTTGGT	ACAAATACCT	GATACTGTCTT
10	67501	GAAGGGTAG	ATGAGGGCAC	GCAACGCTAT	GCAGACACGC	CCCTCGAACT	CGTTCCCGCA
	67561	GGCCAGCTTG	GCCTTGTGGA	GCAGCAGCTC	GTCGGGATGG	GTGGCGGGG	GATGGCCGAA
	67621	CAGAACCCAG	GGGTCAACCT	CCATCTCCGT	AATGGCGCAC	ATGGGGTCAC	AGAACATGTG
	67681	CTTAAAGATG	GCCTCGGGCC	CCGCGGCCCG	AAGCAGGCTC	ACAAACCGGC	CCCCGTCCCC
	67741	GGGCTCGTC	TCGGGGTCAG	CCTCGAGCTG	GTCGACGACG	GGTACGATAC	AGTCGAAGAG
15	67801	GCTCGTGTG	TTTTCGGAGT	AGCGGACCAC	GGAGGCCCGG	AGTCTGCGCA	GGGCCAGCCA
	67861	GTAAGCACGC	ACCAAGTAACA	GGTTACACAG	CAGGCATTCT	CCGCCGGTGC	GCCCGCGGCC
	67921	CCGGCCGTGT	TTCAGCACGG	TGGCCATCAG	AGGGCCCGAG	TCGAGGTCGG	GCTGGGCATC
	67981	GGGTTCGGTA	AACTGCGCAA	AGCGCGGAGC	CACGTCGCGC	GTGCGTGC	CGCGATGCGC
	68041	TTCCCAGGAC	TGGCGGACCG	TGGCGCGACG	GGCCTCCGCG	GCAGCGCGCA	GCTGGGGCCC
20	68101	CGACTCCCAG	ACGGCGGGGG	TGCCGGCGAG	GAGCAACAGG	ACCAGATCCG	CGTACGCCA
	68161	CGTATCCGGC	GACTCCTCCG	GCTCGCGGT	CCCAGCGACC	GTCTCGAATT	CCCCGTTGCG
	68221	AGCGGCCGGCG	CGAGTACAGC	AGCTGTCCCC	GCCCCCGCGC	CGACCCCTCCG	TGCACTCCAG
	68281	GAGACGGGGCG	CAATCCTTCC	AGTTCATCAG	CGCGGTGGT	AGCGACGGCT	GCGTGC
	68341	TCCCCCGGCC	GACCCCGCCC	CCTCCTCGCC	CCCAGGAGGC	AAGGTTCCGA	TGAGGGCCCC
25	68401	GGTGGCAGAC	TGCGCCAGGA	ACGAGTAGTT	GGAGTACTGC	ACCTTGGCGG	CTCCCGGGGA
	68461	GGGCGAGGGC	TTGGGTTGCT	TCTGGGCATG	CCGCCCCGGG	ACCCCGCCGT	CGGTACGGAA
	68521	GCAGCAGTGG	AGAAAAAAAGT	GCCGGTGGAT	GTCGTTTATG	GTGAGGGCAA	AGCGTGC
	68581	GGAGCCGACC	AGGGTGCCT	TCTTGGTGC	CAGAAAGTGG	CGGTCCATGA	CGTACACAAA
	68641	CTCGAACGCG	GCCACGAAGA	TGCTAGCGGC	GCAGTGGGGC	GCCCCCAGGC	ATTGGCACA
30	68701	GAGAACCGCG	TAATCGCCA	CCCACTGAGG	CGAGAGGCCG	TAGGTTTGCT	TGTACAGCTC
	68761	GATGGTGC	CAGACCAGAC	AGGGCCGGTC	CAGCGCGAAG	GTGTCGATGG	CCGCCGCGGA
	68821	AAAGGGCCCG	GTGTCCAAA	GCCCCCTCCCC	ACAGGGATCC	GGGGGCGGGT	TGCGGGGTCC
	68881	TCCGCGCCCG	CCCGAACCCC	CTCCGTCGCC	CGCCCCCCCC	CGGGCCCTTG	AGGGGGCGGT
	68941	GACCACGTG	GCGCGACGT	CCTCGTCGAG	CGTACCGACG	GGCGGCACAC	CTATCACGTG
35	69001	ACTGGCCGTC	AGGAGCTCGG	CGCAGAGAGC	CTCGTTAAGA	GCCAGGAGGC	TGGGATCGAA
	69061	GGCCACATAC	GCGCGCTCGA	ACGCCCGCCG	CTTCCAGCTG	CTGCCGGGG	ACTCTTCGCA
	69121	CACCGCGACG	CTCGCCAGGA	CCCCGGGGGG	CGAAGTTGCC	ATGGCTGGC	GGGAGGGGCC
	69181	CACCGGCCAG	CGAACCTTAC	GGGACACAAAT	CCCCGACTGC	GCGCTGGGT	CCCAGACCC
	69241	GGAGAGTCTA	GACGCGCGCT	ACGTCTCGCG	AGACGGCGCG	CATGACGCCG	CCGTCTGGTT
40	69301	CGAGGATATG	ACCCCGCCG	AGCTGGAGGT	TGTCTTCCCG	ACTACGGACG	CCAAGCTGAA
	69361	CTACCTGTCG	CGGACGCGAC	GGCTGGCCTC	CCTCCCTGACG	TACGCCGGC	CTATAAAAGC
	69421	GCCCCACGAC	GCGCCGCC	CGCAGACCCC	GGACACCGCG	TGTGTGACG	GCGAGCTGCT
	69481	CGCCGC CAAG	CGGGAAAGAT	TCGCGGGCGGT	CATTAACCGG	TTCCCTGGACC	TGCACCAAGAT
	69541	TCTGCGGGGC	TGACGCGCGT	GCTGTTGGG	GGGACGGTTC	GCGAACCC	TGGTGGGTTT
45	69601	ACGCGGGCAC	GCACGCTCCC	ATCGCGGGCG	CCATGGCGGG	ACTGGGCAAG	CCCTACACCG
	69661	GCCACCCAGG	TGACGCCCTC	GAGGGTCTCG	TTCACTCGAAT	TCGGCTTATC	GTCCCATCTA
	69721	CGTTGCGGGG	CGGGGACGGG	GAGGCGGGGCC	CCTACTCTCC	CTCCAGCCTC	CCCTCCAGGT
	69781	GCGCCTTTCA	GTTCATGGC	CATGACGGGT	CCGACGAGTC	GTTTCCCATC	GAGTATGTAC
	69841	TGCGCTTAT	GAACGACTGG	GCCGAGGTCC	CGTGCACCCC	TTACCTGCGC	ATACAGAACAA
50	69901	CCGGCGTGTG	GGTGTGTT	CAGGGGTTT	TTCACTGCC	ACACAACGCC	CCCCGGGGCG
	69961	CGATTACGCC	AGAGCGGACC	AATGTGATCC	GGGGCTCCAC	CGAGACGACG	GGGCTGTC
	70021	TCGGCGACCT	GGACACCATC	AAAGGGCGGC	TCGGCCTGGA	TGCCCCGGCG	ATGATGGCCA
	70081	GCATGTGGAT	CAGCTGTT	GTGCGCATGC	CCCAGCGTC	GCTCGCGTT	CGGTTCATGG
	70141	GCCCCGAAGA	TGCCGGACGG	ACGAGACGGA	TCCGTGCG	CGCCGCCGAG	CAGGCTATT
55	70201	CCCGTCGCCG	CCGAACCCGG	CGGTCCCGGG	AGGCGTACGG	GGCCGAGGCC	GGGCTGGGGG
	70261	TGGCGGAAAC	GGGTTTCCGG	GCCAGGGGGG	ACGGTTTG	CCCCTCCCC	TTGTTAACCC
	70321	AAGGCCCTC	CCGCCCCGTG	CACCAAGGCC	TGCGGGGTCT	TAAGCACCTA	CGGATTGGCC
	70381	CCCCCGCGCT	CGTTTGGCG	GGGGGACTCG	TCCGTGGGGC	CGCTATT	TGGGTGGTTG
	70441	GTGCTGGCGC	GCGCCTATAA	AAAAGGACGC	ACCGCCGCC	TAATCGCCAG	TGCGTTCCCG

	70501	ACGCCTTCGC	CCCACACAGC	CCTCCCGACC	GACACCCCCA	TATCGCTTCC	CGACCTCCGG
	70561	TCCCGATGGC	CGTCCCGCAA	TTTCACCGCC	CCAGCACCGT	TACCACCGAT	AGCGTCCGGG
	70621	CGCTTGGCAT	GCGCGGGCTC	GTCTTGGCCA	CCAATAACTC	TCAGTTTATC	ATGGATAACA
	70681	ACCACCCGCA	CCCCCAGGGC	ACCCAAGGGG	CCGTGCCGGG	GTTCCTCCGC	GGTCAGGC GG
5	70741	CGGCCTGAC	GGACCTTGGT	CTGGCCACAG	CAAACAAACAC	GTTCACCCG	CAGCCTATGT
	70801	TCGCGGCGA	CGCCCCGGCC	GCCTGGTTGC	GGCCCGCGTT	TGGCCTGCCG	CGCACCTATT
	70861	CACCGTTGT	CGTCGAGAA	CCTTCGACGC	CGGGGACCCC	GTGAGGCCCC	GGGAGTTCCCT
	70921	TCTGGGGTGT	TTTAATCAAT	AAAAGACCAC	ACCAACGCAC	GAGCCTTGC	TTTAATGTCG
	70981	TGTTTATTCA	AGGGAGTGGG	ATAGGGTTCG	ACGGTTCGAA	ACTTAACACA	CCAAATAATC
10	71041	GAGCGCGTCT	AGCCCAGTAA	CATGCGCACG	TGATGTAGGC	TGGTCAGCAC	GGCGTCGCTG
	71101	TGATGAAGCA	GCGCCC GGCG	GGTCCGCTGT	AACTGCTGTT	GTAGGGCGTA	ACAGGCGCGG
	71161	ATCAGTACCG	CCAGGGCGCT	ACGACCGGTG	CGTTGCACGT	AGCGTCGCGA	CAGAACTGCG
	71221	TTTGCCTATA	CGGGCGGGGG	GCCGAATTGT	AAGCGCGTCA	CCTCTTGGGA	GTCATCGGCG
	71281	GATAACGCAC	TGAATGGTTC	GTGGTTATG	GGGGAGTGTG	GTTC CCCAGG	GAGTGGGT CG
15	71341	AGCGCCTCGG	CCTCGGAATC	CGAGAGGAAC	AACGAGGTGG	CGTCGGAGTC	TTCGTCGTCA
	71401	GAGACATACA	GGGTCTGAAG	CAGCGACACG	GGCGGGGGGG	TAGCGTCGAT	GTGTAGCGCG
	71461	AGGGAGGATG	CCCACGAAGA	CACCCCAGAC	AAGGAGCTGC	CCGTCGCTGG	ATTTGTGGAA
	71521	GACGCGGAAG	CGGGGACGGA	TGGGCGGTTT	TGCGGGTGC	GGAACCGAAC	CGCCGGATAC
	71581	TCCCCGGGTG	CTACATGCC	GT TTTGGGGC	TGGGGTTGGG	GCTGGGGTTG	GGGCTGGGGT
20	71641	TGGGGCTGGG	GTGGGGCTG	GGGTTGGGGC	TGGGGTTGGG	GT TGGGGTTG	GGGCTGGGGT
	71701	TGGGGTTGGG	GCTGGGGCTG	GGGCTGGGGC	TGGGGCTGGG	GCTGGGGCTG	GGGCTGGGGC
	71761	TGGGGCTGGG	GCTGGGGCTG	GGGCTGGGGC	TGGGGCTGGG	GCTGGGGTTG	GGGCGCGGAC
	71821	AGGCGGCTGA	CGGTCAAATG	CCCCCGGGGG	CGCGCAGATG	TGGTGGGGGT	GGCCACCGGC
	71881	TGCCGTGTAG	TGGGGCGGCG	GGAAACCGGG	CCTCCGGCG	CAACACGCC	CTCCAGCGTC
25	71941	AA GTATGTGG	GGGGCGGGCC	TGACGT CGGG	GGCGGGCGA	CGGGTTGGAC	CGCGGGAGGC
	72001	GGGGGAGAGG	GACCTGCGGG	AGAGGATGAG	GT CGGCTCGG	CCGGGTTGCG	GCCTAAAACA
	72061	GGGGCCGTGG	GGTCGGCGGG	GTCCCAGGGT	GAAGGGAGGG	ATTCCC GCGA	TTCGGACAGC
	72121	GACGCGACAG	CGGGGCGCGT	AAGGCGCCGC	TGCGGCCCGC	CTACGGGAAC	CCTGGGGGGG
	72181	GT TGGCGCGG	GACCCGAGGT	TAGCGGGGGG	CGGCGGTTT	CGCCCCCGGG	CAAACACGTG
30	72241	CCGGTTGCGA	CCGGGGCGG	AACGGGATCG	ATAGGGAGAG	CGGGAGAAGC	CTGGCCGGCG
	72301	GCCTGGGGCC	CGAGCGGGAG	GGGCACACCA	GACACCAAAG	CGTGGGGCGC	TGGCTCTGGG
	72361	GGTTTGGGAG	GGGCGGGGGG	GGCGCGCAA	TCGGTAACCG	GGGCGACCGT	GT CGGGGAGG
	72421	GCAGGC GGGCC	GCCAACCCCTG	GGTGGTCGCG	GAAGCCTGGG	TGGCGCGCGC	CAGGGAGCGT
	72481	GCCCCGGCGT	GT CGGCGCGC	GGCGCACCCG	GACGAAGAAC	CGGCAGAAC	GC GGGAGGAG
35	72541	GCGGGGGGGC	GGGGGGCGGT	GGCATCGGGG	GGCGCCGGGG	AACTTTGGGG	GGACGGCAAG
	72601	CGCCGGAAGT	CGTCGCGGGG	GCCACCGGGC	GGCGCCCGCG	TGCTTTCGGC	CGGGACGCC
	72661	GGTCGTGCTT	CGCGAGCCGT	GA CTGCGCGC	CCAGGGGGCC	CGGGTGCA	CTGGGACGTG
	72721	GGGACGGACT	GATCGGCGGT	GGGCGAAAGG	GGGTCCGGGG	CAAGGAGGGG	CGGGGGGCCG
	72781	CCGGAGTCGT	CAGACCGAG	CTCCCTCCAGG	CCGTGAATCC	ATGCCACAT	GC GAGGGGGG
40	72841	ACGGGCTCGC	CGGGGGTGGC	GT CGGTGAAT	AGCGTGGGGG	CCAGGCTTCC	GGGCCCCAAC
	72901	GAGCCCTCCG	CCCCAACAAAG	GTCCACAGGG	CCGGGGGTG	GGTTTGGGAC	CGAGGGGCTC
	72961	TGGTCGTGCG	GGGCGCGCTG	GTACACCGGA	TGCCCCGGGA	ATAGCTCCC	CGACAGGAGG
	73021	GAGGC GTCGA	ACGGCCGCCC	GAGGATAGCT	CGCGCGAGGA	AGGGGTCTC	GT CGGTGGCG
	73081	CTGGCGCGA	GGACGTCTC	GCCGCCCGC	ACAAACGGGA	GCTCCTCGGT	GGCCTCGCTG
45	73141	CCAACAAACC	GCACGT CGGG	GGGGCCGGGG	GGGTCCGGGT	TTTCCCACAA	CACCGCGACC
	73201	GGGGTCATGG	AGATGTCCAC	GAGCACCAAGA	CACGGCGGGC	CCC CGGGCGAG	GGGCGCTCG
	73261	GCGATGAGCG	CGGACAGGCG	CGGGAGCTGT	GCCGCCAGAC	ACGCGTTTC	GATCGGGTT
	73321	AGGTGCGCGT	GCAGGAGGCG	GACGGCCCAC	GTCTCGATGT	CGGACGACAC	GGC ATCGCGC
	73381	AAGGCGCGT	CGGGCCCGCG	AGCGCGTGA	TCAAACAGCG	TGAGACACAG	CTCCAGCTCC
50	73441	GA CTCGCGGG	AAAAGGCCGT	GGTGGTGC	AGCGGCCACGA	CGACGGCGC	GGCCAGGAGC
	73501	ACTGCCGCA	GCACCAAGGTC	CATGGCCGTA	ACGCGCGCCG	CGGGGGTGC	GTGGGTGGCG
	73561	GCGGCCGGCA	CGGCGACGTG	CTGGCCCGTG	GGCCCGTAGA	GGGCGTTGGG	GGGAGCGGGG
	73621	GGTGACGCCT	CGCGCCCCCC	CGAGGGGCTC	AGCGTCTGCC	CAGATTCCAG	ACGCGCGGTC
	73681	AGAAGGGCGT	CGAAACTGTC	ATACTCTGTG	TAGTCGTC	GAAACATGCA	GGTCAAAGA
55	73741	GCGACCAGAG	CGGTGCTTGG	GAGACACATG	CGCCCCAGGA	CGCTCACCGC	CGCCAGCGCC
	73801	TGGGCGGGAC	TCAGCTTCC	CAGCGCGGGC	CCGCGCTCGG	TTCCCAGCTC	GGGGACCGAG
	73861	CGCCAGGGCG	CCAGGGGGTC	GGTTTCGGAC	AACTTGCCG	GGCGCCAGTC	TGCCAGCCG
	73921	GTGCCGAACA	TGAGGCCCCG	GGTCGGAGGG	CCTCCGGCCG	AAAACGCTGG	CAGCACGCGG
	73981	ATGCGGGCGT	CTGGATGCGG	GGTCAGGC	TGCACGAATA	GCATGGAATC	TGCTCGTTC

	74041	TGAAACGCAC	GGGGGAGGGT	GAGATGCATG	TACTCGTGT	GGCGAACCAAG	ATCCAGGC	GC
	74101	CAAAAGGTGT	AAATGTGTT	CGGGGAGCTG	GCCACCAGCG	CCACCAGCAC	GTCGTTCTCG	
	74161	TTAAAGAAA	CGCGGTGCCT	AGTGGAGCTC	TGGGGTCCGA	CGGGCGGCC	CGGGGCCG	
5	74221	GCgtcACCCCC	CCCATTCCAG	CTGGGCCCAG	CGACACCAA	ACTCGCGGT	GAGAGTGGTC	
	74281	GCGACGAGGG	CGACGTAGAG	CTCGGCCGCC	GCATCCATCG	AGGCCCCCA	TCTCGCCTGG	
	74341	CGGTGGCGCA	CAAAGCGTCC	GAAGAGCTGA	AAGTTGGCGG	CCTGGGCGTC	GCTGAGGGCC	
	74401	AGCTGAAGCC	GGTTGATGAC	GGTGAGGACG	TACATGGCCG	TGACGGTCGA	GGCCGACTCC	
	74461	AGGGTGTCCG	TCGGAAGCGG	GGGGCGAATG	CATGCCGCCT	CGGGACACAT	CAGCAGCGC	
10	74521	CCGAGCTTGT	CGGTACCGC	CGGGAAAGCAG	AGCGCGTACT	GCAGTGGCGT	TCCATCCGGG	
	74581	ACCAAAAGC	TGGGGCGAA	CGGCCGATCC	AGCGTACTGG	TGGCCTCGCG	CAGCACCAAG	
	74641	GGCCCCGGGC	CTCCGCTCAC	TCGCAGGTAC	GCCTCGCCCC	GGCGCGCAG	CATCTGCGGG	
	74701	TCGGCCTCTT	GGCCGGGTGG	GGCGGACGCC	CGGGCGCGGG	CGTCTAGGGC	GCGAAGATCC	
	74761	ACGAGCAGGG	CGCGGGCGC	GGCCGCCCGG	CCCAGGCCCG	TCTGGCTGT	GGCCTTGGCG	
15	74821	TACCGCCTAT	ATAAGCCCAT	GGCGCGTTGG	ATGAGCTCCC	GCGCGCCCCG	GAACCTCTCC	
	74881	ACCGCCCATG	GGGCCAGGTC	CCCAGGCCACC	GCGTCGAATT	CGGCCAACAG	GCCCCCCCAGG	
	74941	GTGTCAAAGT	TCATCTCCC	GGCCACCCCTT	GGCACCACCT	CGTCCCGCAG	CCGGGCGCTC	
	75001	AGGTCGGCGT	GTTGGGCCAC	GGCCCCCCCG	AGCTCCTCCA	CGGCCCCGGC	CCGCTCGGCC	
	75061	CTCTTGGCGC	CCAGGACGCC	CTGGTACTTG	GGCGGAAGGC	GCTCGTAGTC	CCGCTGGGCT	
20	75121	CGCAGCCCCG	ACACAGTGT	GGTGGGTGTC	TGCAGGGCGC	GAAGCTGCTC	GCATGCCGCG	
	75181	CGAAATCCCT	CGGGCGATT	CCAGGCCCGC	CGGCCAACGC	GGCGAACAGC	ACCCCATACC	
	75241	TCGTCCCCT	CCGCTCGGC	CTCCTCGAGA	GACCTCCGCA	GGGCCTCGAC	GCGGCGACGG	
	75301	GTGTGAAAGA	GCGCTGCAG	GGCGCGGCC	TGTCCGTC	GGAGGCCCGG	GCCGTCGCCG	
	75361	CTGGCCGCGC	TTAGCGGGTG	CGTCTCAAAG	GTACCGCTGGG	CATGTTCAA	CCAGGCGACC	
25	75421	GCCTGCACGT	CGAGCTCGC	CGCCTTCTCC	GTCTGGTCCA	CCAGAATTTC	GACCTGATCC	
	75481	GCGATCTCCT	CGGCCGAGCG	CGCCTGGTCC	AGCGTCTTGG	CCACGGTCGC	CGGGACGGCG	
	75541	ACCACTTCA	GCAGGGTCTT	CAGATTGGCC	AGACCCCTCGG	CCTCGAGCTG	GGCCCCGGCGC	
	75601	TCGCGCGCGG	CCAGCACCTC	CCGCAGCCCC	GCGTGACCC	GCTCGGTGGC	TTCGGCGCG	
	75661	TGCTGTTTGG	CGCGCACCCAC	GGCGTCCTTG	GTATCGGCCA	GGTCCTGTG	GGTCACGAAT	
30	75721	GCGACGTAGT	GCGCGTACGC	CGTGTCTTC	ACGGGGCTCT	GGTCCACGCG	CTCCAGCGCC	
	75781	GCCACGCACG	CCACCAGCGC	GTCCCTCGCTC	GGGCAGGGCA	GGGTGACCCC	TGCCCCGGACA	
	75841	AGCTCGGCGG	CCGCCGCCGG	GTCTGGCGC	ACCGCGGATA	TCTCCTCCGC	GGCGGCGGGCC	
	75901	AGGTCCAGCG	CCACGCTTCC	GATCGCGC	CGCGCGTCGG	CCCGGAGGGC	GTCCAGGCGA	
	75961	TCGCGGATAT	CCACGTACTC	GGCGTAGCCC	TTTTGAAAAA	ACGGCACGTA	CTGGCGCAGG	
35	76021	GCCGGCACGC	CCCCCAAGTC	TTCCGACAGG	TGTAGGACGG	CCTCGTGT	GTCGATAAAC	
	76081	CCGTCGTTCG	CCTGGGCCG	CTCCAGCAGC	CCCCCGCCA	GCCGCAGAAC	CCGCGCCAGG	
	76141	GGCTCGGTGT	CCACCCAAA	CATGTCGGCG	TACGTGTCGG	CCGCGGCC	GAAGGCCGCG	
	76201	CTCCAGTCGA	TGCGGTGAAT	GGCTCGAGC	GGGGGGAGCA	TGGGGTGGCG	CTGGTTCTCG	
	76261	GGGGTGTATG	GGTTAAACGC	AAGGGCCGTC	TCCAGGGCAA	GGGTCAACCGC	CTTGGCGTTG	
40	76321	GTTCCCAGCG	CCTGTTCGC	CCGCTTTCGG	AAGTCCCAGG	GGTTGTAGCC	GTGCGTGC	
	76381	GCCAGCGCCT	GCAGGCCAGC	GAGCTCGACC	ACGTCAAACT	CGGCACCGCT	TTCCACGCG	
	76441	TCCAGCACGG	CCTCCACGTC	GGCGGCCAG	CGCTCGTGGC	TACTGCGGGC	GCGCTGGGCC	
	76501	GCCATCTTCT	CTCTGAGGTC	GGCGGTGGCG	GCCTCAAGTT	CGTCGGCGCG	GCGTCGCGTG	
	76561	GCGCCGATGA	CCTTCCCAG	CTCCTGCAGG	GCGGCCCGC	TGGGGGAGTG	GTCCCCGGCC	
45	76621	GTCCCTTCGG	CGTCAACAG	GCCCCCGAAC	CTGCCCTCGT	GGCCCAGG	GCTTCCC	
	76681	GCGCCGGTGG	TCGCGCGCGT	CGCGGCCCTGG	ATCAGGGAGG	CATGCTCTCC	CTCCGGTTGG	
	76741	TTGGCGGCC	GGCGCACCTG	GACGACAAGG	TCGGCGGCAG	CGGACCTAA	GGTCGTGAGC	
	76801	TGGCGGATGG	CCACCCCGCG	GTCCAGGGCC	AACCGAGTCG	CCTTGACGTA	TCCCAGCGGCC	
	76861	CTGTCGGCCA	TGGCCGCTAG	GAAGGCCAGG	GGGGAGGCCG	GGTCGCTGGC	GGCCAGCGGCC	
	76921	AGGGCCGTCA	CCGCGTCGAC	CAGGACGCGG	TGCGCCCGCA	CGGCCGCATC	CACCGTCGAC	
50	76981	GCAGGGTCTG	CCGTTGCGAC	GGCGCGCTG	CCGGCGTTGA	TGGCGTTCGA	GACGGCGTGG	
	77041	GCTATGATCG	GGGCGTGT	GGCGAAGAAC	TGCAAGAGAA	ACGGAGTCTC	TGGGGCGT	
	77101	GCGAACAGGT	TCTTCAGCAC	CACCACGAAG	CTGGGATGCA	AGCCAGACAG	AGCCGTG	
	77161	GTGTCGGAG	TCGGGTGCTC	CAGGGCATCT	CGGTACTGCC	CCAGCAGCCC	CCACATGTCC	
	77221	GCCCCGAGCG	CCGCCGTAAC	CTCAGGGGGC	GCCCCCGAA	CGGCCTCGGG	GAGGTCCGAC	
55	77281	CAGCCCAGCG	GCAGGGAGGC	CCGCAGGGTC	GCCAGGACGG	CGGGACAGGC	CTTGTAGCCCC	
	77341	ACAAAGTCAG	GGAGGGGGCG	CAGGACCCCC	TGGAGTTGT	GCAAGAACCTT	CTCCCGGGCG	
	77401	TCGCGGGGCCA	CCTTCGCCCC	CTCCCGCGCT	CCCTCGAGCA	TTGCCTCCAG	GGAGCGCGCG	
	77461	CGCTCCCGCA	AACGGGCACG	CGCATCGGGG	GCGAGCTCTG	CCGTCAAGCTT	GGCGGCATCC	
	77521	ATGGCCCGCG	CCTGCCGAG	CGCTTCCTCG	GCCATGCGCG	TGGCCTCTGG	CGACAGCCCC	

	77581	CCGTCGTCGG	GGTAGGGCGA	CGCGCCGGGC	GCAGGAACAA	AGGCCGCGTC	GCTGTCCAGC
	77641	TGCTGGCCA	GGGCCGCATC	TAGGGCGTCG	AAGCGCCGCA	GCTCGGCCAG	ACCCGAGCTG
5	77701	CGGCCGCGCT	GTTGGTCGTT	AATGTCGCG	ATGCTGCGC	CCAGCTCGTC	CAGTGGCTTG
	77761	CGTTCTATCA	GCCCTTGTT	GGCGGCGTC	GTCAGGACGG	AGAGCCAGGC	CGCCAGGTCC
	77821	TCGGGGCGT	CCAGCGCTG	GCCCCGCTGG	ATCAGATCCC	GCAACAGGAT	GGCCGTGGGG
	77881	CTGGTCGCGA	TCGGGGCGG	GGCGGGAATG	GCGGCGCGCT	GCGCGATGTC	CCGCGTGTGC
	77941	TGGTCGAAGA	CAGGCAGGG	CTCGAGCAGC	TGGACCACGG	GCACGACGGC	GGCCGAAGCC
10	78001	ACGTGAAACC	GGCGGTGTT	GTTGTCGCTG	GCCTGTAGAG	CCTTGGCGCT	GTATAACGGCC
	78061	CCCCGGTAAA	AGTACTCCTT	AACCGCGCCC	TCGATCGCCC	GACGGGCCTG	GGTCCGCAACC
	78121	TCCTCCAGCC	GAACCTGAAC	GGCCTCGGGG	CCCAGGGGGG	GTGGGCGCGG	AGCCCCCTGC
	78181	GGGGCCGCC	CGGCCGGGG	GGGCATTACG	CCGAGGGGGC	CGGCGTGTG	TGAGACCGCG
	78241	TCGACCCC	GAGCGAGGGC	GTCGAGGGCC	TCGCGCATCT	GGCGATCCTC	CGCCTCCACC
	78301	CTAATCTCTT	CGCCACGGG	AAATTTGGCC	AGAGCCTGGA	CTCTATACAG	AAGCGGTTCT
15	78361	GGGTGCGTGC	GGGTGGCGGG	GGCAAAAAGG	GTGTCCGGGT	GGGCCTGCGA	GCGCTCCAGA
	78421	AGCCACTCGC	CGAGGC GTGT	ATACAGATTG	GCCGGCGGGG	CCGCGCGAAG	CTGCAGCTCC
	78481	AGGTCCGCGA	GTTCCCCGTA	AAAGGC GTTC	GTCTCCGAA	TGACATCCCT	AGCCACAAGG
	78541	ATCAGCTTCG	CCAGCGCCAG	GCGACCGATC	AGAGAGTTT	CGTCCAGCAC	GTGCTGGACCG
	78601	AGGGGCAGAT	GGGC GGCCAC	GTCGGCCAGG	CTCAGGCGCG	TGGAGGCCAG	AAAGTCCCCC
20	78661	ACGGCCGTTT	TCCAGGGCAG	CATGTT CAGG	GTAAACTCCA	GCAGGGCGGC	GGCCGGGGCCG
	78721	GCCACCCC	CCTGGGTGTG	CGTCCGGGC	CCGTTCTCGA	TGAGAAAGGC	GAGGACGCGT
	78781	TCAAAGAAAA	AAATAACACA	GAGCTCCAGC	AGCCCCGGAG	AGGCCGGATA	CGGCGACCGT
	78841	AAGGC GCTGA	TGGTGAGCCG	CGAACACCGC	GCGACCTCGC	GGGCCAGGGC	GGCGGAGCAC
	78901	GCGGTGAACT	TAACCGCCGT	GGCGGCCACG	TTTGGGTGGG	CCTCGAACAG	CTGGGCGAGG
25	78961	TCTGCGCCCG	GGGGCTCGGG	CGAGCGGGCGA	GTCTTCAGCG	CCTCGAGGGC	CTGTGAGGAC
	79021	GCCGGAACCG	TGGGCCCGTC	GTCCTCGCCC	GCCTCGCGA	CCGGCGGGCC	GGCCGGGGTCC
	79081	GGGGGGTGC	AGGCGAGGAC	AGGCTCCGGA	ACGGAGGC	GGACCGCGG	CCCGACGGGG
	79141	GTTTTGCTT	TGGGGGTGGA	TTTCTTCTTG	GTTTTGGCAG	GGGGGGCCGA	GCGTTTCGTT
	79201	TTCTCCCCCG	AAGTCAGGTC	TTCGACGCTG	GAAGGGCGAG	TCCAGGTTGG	TCGGCGGCC
30	79261	TTGGGAAGGC	CGGCCGAGTA	GCGTCCCCGG	TGCCGACCAA	CCGGGACGAC	GCCCACATCTCC
	79321	AGGACCCGCA	TGTCGTCGTC	ATCTTCTTCG	GCCGCCTCTG	CGGCAGGGGT	CTTGGGGGCC
	79381	GAGGGAGGCG	GTGGTGGGAT	CGCGGAGGGT	GGGTCGGCG	AGGGTGGGTC	GGCGGAGGGG
	79441	GGATCCGTGG	GTGGGGTAC	CTTCAGGGC	ACCGCCCATA	CATCGTCCGG	CGCCCGATTC
	79501	GGGC GCTTGG	CCTCTGGTT	TGCCGACGGA	CCGGCCGTCC	CCCGGGATGT	CTCGGAGGCC
35	79561	CTGTCGTCG	GACGGGCGCG	GGTCGGTGGC	GGCGACTGGG	C GGCTGTGGG	CGGGTGTGGC
	79621	CCCGGGCCCC	CTACCCCTC	CCGGGGGCC	ACGCCGACGC	AGGGCTCCCC	CAGGCCGCG
	79681	ATCTCGCCCC	GCAGGGGGTG	CGTGATGGC	ACGCGCCGTT	CGCTGAACGC	TTCTGCTCTG
	79741	AGGTAACTCT	CGCTGGCCC	GTAAAGATGC	AGAGCCGCG	CGTCAAGTC	CGCAGGAGCC
	79801	GCGGGTTCCG	GGCCCGACGG	CACGAAAAC	ACCATGGCTC	CGGCCACCG	TACGTCCGGG
40	79861	CGATCGCGG	TGTAATACGT	CAGGTATGGA	TACATGTCCC	CGGCCCGCAC	TTTGGCGATG
	79921	AACGCGGGGG	TGCCCTCCGG	AAAGGCCGTG	GGGTCAAAA	GGTATCGGGT	GTCGCCGTCC
	79981	CTGAACAGCC	CCATCCCTAG	GGGGCCAATG	GTTAGGAGCG	TGTACGACAG	GGGGCGCAGG
	80041	GCCCACGGGC	CGCGAAGAA	CGTGTGTGCG	GGGCATTGTG	TCTCCAGCAC	GCCCACCGCG
	80101	GGCTCCCCGA	AGAAGCCAC	CTCGCCGTAT	ACGCGCGAGA	AGACACAGCG	CAGTCCGCC
45	80161	CGCGCCCC	GGTACTCGAG	GAAGTTGGG	AGCTCGACGA	TGAAACACAT	CGCGGGCGGC
	80221	CCAGGGCCCG	CGGTGCGCG	CGTCCACTCG	CCCCCCTCGA	CCAAACATCC	CTCGATGGCC
	80281	TCCGCGGACA	GGACGTGCG	AGGGCCCACA	TCAAAATATGA	GGCTGAGAAA	GGACAGCGAC
	80341	GAGCGCATGC	ACGATACCGA	CCCCCCC	TCCAGGTGCG	GGCGCGAAC	GTTCCGAGCA
	80401	CCGGTGACCA	CGATGTGCG	ATCCCCCCC	CGTCCATCG	TGGAGTGC	TGGGGTGC
50	80461	GCGATCATAT	GTGCCCTGCT	GGCCAGAGAC	CCGGCCTGTT	TATGGACGG	ACCCCGGGGG
	80521	TTAGTGTGTT	TTCCGCCACC	CATGCC	TACCATGGCC	CCGGTCCCC	TGATTAGGCT
	80581	ACGAGTCGCG	GTGATCGCTT	CCCCAAAACC	GAGCTGCGT	TGTCTGTCTT	GGTCTTCCAC
	80641	CCCCCCCC	GCCCCCGCG	ACACCAAAAC	ACCGAGAAC	ACACACGGG	GTGGGGCGTAA
	80701	CATAATAAAG	CTTTATTGGT	AACTAGTTA	CGGCAAGTCC	GTGGGTGGCG	CGACGGTGT
	80761	CTCCGGGATC	ATCTCGTCG	CCTCGACGGG	GGTGTGAA	TGAGGCGCCC	CCTCGCGGT
55	80821	CGCCTGGCGT	GGGCCGTGCC	CATAGGCCTC	CGGCTTCTGT	CGGTCCATGG	GCATAGGC
	80881	GGGGAGACTG	TTTCCGGCGT	CGCGGACCTC	CAGGTCCTG	GGAGACTCCG	GTCCGGCTAA
	80941	CGGACGAAAC	GCGBAAGCGC	GAAACACGCC	GTCGGTGACC	CGCAGGAGCT	CGTTCATCAG
	81001	TAACCAATCC	ATACTCAGCG	TAACGGCCAG	CCCCTGGCGA	GACAGATCCA	CGGAGTCCGG
	81061	AACCGCGGTC	GTCTGGCCA	GGGGGCCAG	GCTGTAGTCC	CCCCAGGCC	CTAGGTGCG

	81121	ACGGCTCGTA	AGCACGACGC	GGTCGGCCGC	GGGGCTTTGC	GGGGGGCGT	CCTCGGGCGC
	81181	ATGCGCCATT	ACCTCTCGGA	TGGCCGCGGC	GCGCTGGTCG	GCCGAGCTGA	CCAAGGGCGC
	81241	CACGACCACG	GCGCGCTCCG	TCTGCAGGCC	CTTCCACGTG	TCGTGGAGTT	CCTGGACAAA
5	81301	CTCGGCCACG	GGCTCGGGTC	CCGCGGCCGC	GCGCGCGGCT	TGATAGCAGG	CCGACAGACG
	81361	CCGCCAGCGC	GCTAGAAACT	GACCCATGAA	GCAAAACCCG	GGGACCTGGT	CTCCCGACAG
	81421	CAGCTTCGAC	GCCCAGGGCGT	GAATGCCGGA	CACGACGGAC	AGAAACCCGT	GAATTTCGCG
	81481	CCGGACCACG	GCCAGCACGT	TGTCCTCGTG	CGACACCTGG	GCCGCCAGCT	CGTCGCACAC
	81541	CCCCCAGGTGC	GCCGTGGTT	CGGTGATGAC	GGAACCGCAGG	CTCGCGAGGG	ACCGGACCAAG
10	81601	CGCGCGCTTG	GCGTCGTGAT	ACATGCTGCA	GTACTGACTC	ACCGCGTCCC	CCATGGCCTC
	81661	GGGGGGCCAG	GGCCCCCAGGC	GGTCGGGCGT	GTCCCCGACC	ACCGCATACA	GGCGGCGCCC
	81721	GTCGCTCTCG	AACCGACACT	CGAAAAAAGGC	GGAGAGCGTG	CGCATGTGCA	GCCGCAGCAG
	81781	CACGATGGCG	TCCTCCAGTT	GGCGAATCAG	GGGGTCTGCG	CGCTCGGCGA	GGTCCTGCAG
	81841	CACCCCCCGG	GCGGCCAGGG	CGTACATGCT	AATCAACAGG	AGGCTGGTGC	CCACCTCGGG
15	81901	GGGGGGGGGG	GGCTGCAGCT	GGACCAAGGGG	CCGCAGCTGC	TCGACGGCAC	CCCTGGAGAT
	81961	CACGTACAGC	TCCCAGGACA	GCTGCTCTAT	GTTGTCGGCC	ATCTGCATAG	TGGGGCCGAG
	82021	GCCGCCCCGG	GCGGCCGGTT	CGAGGAGGGT	GATCAGCGCG	CCCAGTTGG	TGCGATGGCC
	82081	CTCAACCGTG	GGGAGATAGC	CCAGCCCCAA	GTCCCCGGCC	CAGGCCAACAA	CACGCAGGGC
	82141	GAACTCGACC	GGGCAGGGAA	GGTAGGCCGC	GCTACACGTG	GCCCTCAGCG	CGTCCCCGAC
20	82201	CACCAGGGCC	AGAACGTAGG	GGACGAAGCC	CGGGTCGGCG	AGGACGTTGG	GGTGAATGCC
	82261	CTCGAGGGCG	GGGAAGCGGA	TCTGGGTGCG	CGCGGCCAGG	TGGACAGAGG	GGGCCTGGCT
	82321	GGGCTGCCCG	ACGGGGAGAA	GCGCGGACAG	CGGCGTGGCC	GGGGTGGTGG	GGGTGATGTC
	82381	CCAGTGGGTC	TGACCATACA	CGTCGATCCA	GATGAGCGCC	GTCTCGGGA	GAAGGCTGGG
	82441	TTGACCGGAA	CTAAAGCGGC	GCTCGGCCGT	CTCAAACCTCC	CCCACGAGCG	CCCGCCGCAG
25	82501	GCTCGCCAGA	TGTTCCGTG	GCACGGCCGG	ACCCATGATA	CGCGCCAGCG	TCTGGCTTAG
	82561	AACGCCCGCC	GACAGGCCGA	CCGCCTCGCA	GAGCCGCCCG	TGCGTGTGCT	CGCTGGCGCC
	82621	CTGGACCCGC	CTGAAAGTT	TTACGTAGTT	GGCATAGTAC	CCGTATTCCC	GCGCCAACCC
	82681	AAACACGTT	GACCCCGCGA	GGGCAATGCA	CCCAAAGAGC	TGCTGGACTT	CGCCGAGTCC
	82741	GTGGCCGGTG	GGCGTCCCG	CGGGGACGCC	CGCCGCCAGA	AACCCCTCCA	GGGCCGAAAG
30	82801	GTAGTGCCTG	CAGTGCAGG	GGGTGAACCC	AGCGTCGATC	AGGGTGTGTA	TCACACCAGGA
	82861	GGGCGAATTG	GTATTCTGGA	TCAACGTCCA	CGTCTGCTGC	AGCAGAGGCC	GCAGCCGCTG
	82921	CTGGGCGCCG	GCGGAGGGCT	GCTCCCCGAG	CTGCAGCAGG	CTGGAGACGG	CAGGCTGGAA
	82981	GACTGCCAGT	GCCGACGAAC	TCAGGAACGG	CACGTCGGGA	TCAAACACGG	CCACGTCCGT
	83041	CCGCACCGC	GCCATTAGCG	TCCCCGGGG	CGCACAGGCC	GAGCGCGGGC	TGACGCGGCT
35	83101	GAGGCCGTC	GACACGCCA	CCTCCTCGCG	GCTCGGAACC	ATCTGTGTTG	CCTCGAGCGG
	83161	CGGAATCATT	ATGGCCGGGT	CGATCTCCCG	CACGGTGTGC	TGAAACTGCG	CCAACAGGGG
	83221	CGGCCGGGACC	ACAGCCCCC	GCTCGGGGGT	CGTCAGGTAC	TCGTCCACCA	GGGCCAACGT
	83281	AAAGAGGGCC	CGTGTGAGGG	GAGTGAAGGT	CGCGTCGTCT	ATGCGCTGGA	GGTGCGCCGA
	83341	GAACAGCGTC	ACCCGATTAC	TCACCAAGGGC	CAAGAACCGG	AGGCCCTCTT	GCACGAACGG
40	83401	GGCAGGGGAAAG	AGCAGGCTGT	ACGCCGGGGT	GGTAAGGTT	GCGCTGGCT	GCCCCAACGG
	83461	GACCGGCGCC	ATCTTGAGCG	ACGTCTCCCC	AAGGCCCTCG	ATGGAGGTCC	GCAGGGCTCAT
	83521	GGCCAAGCAG	CTCTTGGTGA	CGGTTTGCCA	GCGGTCTATC	CACTCCACGG	CGCACTGGCC
	83581	GACCGGGACC	GGCCCCCAGGG	CCGCCGCGGT	GCGCAGGCCG	GCGGAATCCA	GCGCATGGGA
	83641	CGTGTGCGAG	CCGGTGACCG	CGAGGATGGT	GTCCTTGATG	ACCTCCATCT	CCCGGAAGGC
45	83701	CTGGTCGGGG	GCCTCGGGGA	GAGCCACCA	CAAGCGGTG	ACGAGCAACC	CGGGGAGGTT
	83761	CTCGCCAAG	AGCGCCGTCT	CCCGGAAGCCC	GTGGGGCCGG	TGGAGCGCGC	ACAGGTGTT
	83821	CAGCAGCGGC	CGCCAGCAGT	CCCGCGCGTC	TGCCGGGGCG	ATGGCCGTT	CCGACAACAG
	83881	AAACGCCGCC	ATGGCGGCC	GCAGCTTGGC	CGTGGCCAGA	AACGCCGGGT	CGTCCGCC
	83941	GTGGCCGTC	TGGGCCGTGG	GGGTTGGCGG	TTGGCGAAGG	CCGGCTAGGC	TGCCAATAG
50	84001	GCGCTGCATA	GGTCCTCGCG	AGGGCGGACC	GGCGGGGTGAG	GTGCGACGA	CGGGGGCTC
	84061	GGACGGGAGA	CCGCGGCTG	CCATGACGCC	CGGCTCGCGT	GGGTGGGGGA	CAGCGTAGAC
	84121	CAACGACGAG	ACCGGGCGGG	AATGACTGTC	GTGCGCTGTA	GGGAGCGGCC	AATTATCGAT
	84181	CCCCCGCGGC	CCTCCAGGAC	CCCCGCCAGGC	GTTGCGAGTA	CCCCCGCTCT	TCGCGGGGTG
	84241	TTATACGGCC	ACTTAAGTCC	CGGCATCCCG	TTCGCGGACC	CAGGCCCGGG	GGATTGTCGG
	84301	GATGTGCGGG	CAGCCCCGAC	GGCGTGGGTT	GC GGACTTTC	TGCGGGGCCGG	CCCAAATGGC
55	84361	CCTTTAAACG	TGTGTATACG	GACGCGCCGG	GCCAGTCGGC	CAACACAACC	CACCGGAGGC
	84421	GGTAGCCCGC	TTTGGCTGTG	GGGTGGGTGG	TTCCGCCTTG	CGTGAGTGT	CTTTCGACCC
	84481	CCCCCCCCCT	CCCTCCCCCG	GGTCTTGCTA	GGTCGCGATC	TGGGGTGC	CA ATGAAGACCA
	84541	ATCCGCTACC	CGCAACCCCT	TCCGTGTGGG	GCGGGAGTAC	CGTGGAACTC	CCCCCCCACAA
	84601	CACGCGATAC	CGCGGGACAG	GGCCTGCTTC	GGCGCGTCCT	GCGCCCCCG	ATCTCTCGCC

	84661	GCGACGGCCC	AGGGCTCCCC	AGGGGGTCGG	GACCCCGGAG	GGCAGGCCAGC	ACGCTGTGGT
	84721	TGCTTGGCCT	GGACGGCACA	GACGCGCCCC	CTGGGGCGCT	GACCCCCAAC	GACGATAACG
5	84781	AACAGGCCCT	GGACAAGATC	CTGCGGGGCA	CCATGCGCGG	GGGGCGGCC	CTGATCGGCT
	84841	CCCCCGCGCA	TCATCTAAC	CGCCAAGTGA	TCCTGACGGA	TCTGTGCCAA	CCCAACGCGG
	84901	ATCGTGCTGG	GACGCTGCTT	CTGGCGCTGC	GGCACCCCGC	CGACCTGCCT	CACCTGGCCC
	84961	ACCAGCGCGC	CCCGCCAGGC	CGGCAGACCG	AGCGGCTGGG	CGAGGCCTGG	GGCCAGCTGA
10	85021	TGGAGGCAGC	CGCCCTGGGG	TGGGGGCGAG	CCGAGAGCGG	GTGCACGCGC	GCAGGGCCTAG
	85081	TGTGTTTAA	CTTCCTGGTG	GGGGCGTGTG	CCGCCTCGTA	CGACGCGCGC	GACGCCGCCG
	85141	ATGCGGTACG	GGCCCACGTC	ACGGCCAAC	ACCGCGGGAC	GCGGGTGGGG	GCGGCCCTGG
15	85201	ATCGTTTTTC	CGAGTGTCTG	CGCGCCATGG	TTCACACGCA	CGTCTTCCCC	CAAGAGGTCA
	85261	TGCGGTTTTT	CGGGGGCTG	GTGTCGTGGG	TCACCCAGGA	CGAGCTAGCG	AGOGTCACCG
	85321	CCGTGTGCGC	CGGGCCCCAG	GAGGCGGCCG	ACACCGGCCA	CCCAGGCCGG	CCOCGCTCGG
	85381	CCGTGATCCT	CCCGGCATGT	GCCTTCGTGG	ACCTGGACGC	CGAGCTGGGG	CTGGGGGGCC
20	85441	CGGGCGCGGC	GTTTCTGTAC	CTGGTATTCA	CTTACCGCCA	GCGCCGGGAC	CAGGAGCTGT
	85501	GTTGTGTGTA	CGTGATCAAG	AGCCAGCTCC	CCCCGCGCGG	GTTGGAGCCG	GCCTCTGGAGC
	85561	GGCTGTTTGG	GCCTCTCCGG	ATCACCAACA	CGATTACCGG	CACCGAGGAC	ATGACGCC
	85621	CGGCCCAAA	CCGAAACCCC	GACTTCCCCC	TCGCAGGCCT	GGCCGCAAT	CCCAAACCC
	85681	CGCGTTGCTC	GGCTGGCCAG	GTCACGAACC	CCCAGTCGC	CGACAGGCTG	TACCGCTGGC
25	85741	AGCCGGACCT	GGGGGGCGC	CCCACCGCAC	GCACCTGTAC	GTACGCCGCC	TTTGCAGAGC
	85801	TCGGCATGAT	GCCCCGAGGAT	AGTCCCCGCT	GCCTGCACCG	CACCGAGCGC	TTTGGGGCGG
	85861	TCAGCGTCCC	CGTTGTCATT	CTGGAAGGCG	TGGTGTGGCG	CCCCGGCGAG	TGGCGGGCAT
	85921	GCGCGTGAGC	GTAGCAAACG	CCCCGCCCAC	ACAACGCTCC	GCCCCCAACC	CCTTCCCCGC
	85981	TGTCACTCGT	TGTCGTGTA	CCCGGGCGTC	CGCCAAATAA	AGCCACTGAA	ACCCGAAACCG
30	86041	CGAGTGTGTTG	AACGCTCTT	GGGCGGGAGG	AAGCCACAAA	ATGCAAATGG	GATACATGGA
	86101	AGGAACACAC	CCCCGTGACT	CAGGACATCG	GTGTCCTT	TTGGGTTTCA	CTGAAACTGG
	86161	CCCGCGCCCC	ACCCCTGCGC	GATGTTGGATA	AAAAGCCAGC	GGGGGTGGTT	TAGGGTACCA
	86221	CAGGTGGGTG	CTTGGAAC	TTGCCGGTCG	CCGTGCTCCT	GTGAGCTTGC	GTCCCTCCCC
	86281	GGTTTCCCTT	GCGCTCCCGC	CTTCCGGACC	TGCTCTCGCC	TACTCTTCTT	TGGCTCTCGG
35	86341	TGCGATTTCGT	CAGGCAGCGG	CCTTGTGAA	TCTGACCCC	ACCAACTCGCC	GGACCCGCCG
	86401	ACGTCCCCCTC	TCGAGCCCGC	CGAAACCCG	CGCGTCTGTT	GAAATGGCCA	GCCGCCAGC
	86461	CGCATCCCTCT	CCCCTCGAAG	CGCGGGCCCO	GGTTGGGGGA	CAGGAGGCCG	GCGGCCAG
	86521	CGCAGCCACC	CAGGGGGAGG	CCGCCGGGGC	CCCTCTCGCC	CACGGCCACC	ACGTGTACTG
	86581	CCAGCGAGTC	AATGGCGTGA	TGGTGCTTTC	CGACAAGACG	CCCAGGTCGG	CGTCTTACCG
40	86641	CATCAGCGAT	AACAACTTG	TCCAATGTGG	TTCCAAC	ACCATGATCA	TCGACGGAGA
	86701	CGTGGTGC	GGGCGCCCCC	AGGACCCGGG	GGCCGCGGCA	TCCCCCGCTC	CCTTCGTTGC
	86761	GGTGACAAAC	ATCGGAGCCG	GCAGCGACGG	CGGGACCGCC	GTGCTGGCAT	TCGGGGAAC
	86821	CCCACGTCGC	TCGGCGGGGA	CGTCTACCGG	TAACCCAGACG	GCCGACGTCC	CCACCGAGGC
	86881	CCTTGGGGGC	CCCCCTCCTC	CTCCCCGCTT	CAACCTGGGT	GGCGGCTGTT	GTTCTGTCG
45	86941	CGACACACGG	CGCGCTCTG	CGGTATTGCG	GGGGGAGGGG	GATCCAGTCG	GCCCCGCGGA
	87001	GTTCGTCTCG	GACGACGGGT	CGTCCGATT	CGACTCGGAT	GACTCGGAGG	ACACGGACTC
	87061	GGAGACGCTG	TCACACGCC	CCTCGGACGT	GTCCGGCGGG	GCCACGTACG	ACGACGCC
	87121	TGACTCCGAT	TCGTCATCGG	ATGACTCCCT	GCAGATAGAT	GGCCCCGTGT	GTGCCCCGTG
	87181	GAGCAATGAC	ACCGCGCCCC	TGGATGTTG	CCCCGGGACC	CCCAGGCCGG	GCGCCGACGC
50	87241	CGGTGGTCCC	TCAGCGGTAG	ACCCACACGC	GCCGACGCCA	GAGGCCGGCG	CTGGTCTTGC
	87301	GGCCGATCCC	GCCGTGGCCC	GGGACGACGC	GGAGGGGCTT	TCGGACCCCC	GGCCACGTCT
	87361	GGGAACGGGC	ACGGCCTACC	CCGTCCCCCT	GGAACTCACG	CCCGAGAACG	CGGAGGCCGT
	87421	GGCGCGCTTT	CTGGGAGATG	CCGTGAACCG	CGAACCCCG	CTCATGCTGG	AGTACTTTG
	87481	CGGGTGC	CGCGAGGAAA	CCAAGCGTGT	CCCCCCCAGG	ACATTGCGCA	GCCCCCTCG
55	87541	CCTCACGGAG	GACGACTTTG	GGCTTCTCAA	CTACCGCTC	GTGGAGATGC	AGGCCCTGTG
	87601	TCTGGACGTT	CCTCCGGTCC	CGCCGAACGC	ATACATGCC	TATTATCTCA	GGGAGTATGT
	87661	GACGCGGCTG	GTCAACGGGT	TCAAGCCGCT	GGTGAGCCGG	TCCGCTCGCC	TTTACCGCAT
	87721	CCTGGGGGTT	CTGGTGCA	TGCGGATCCG	GACCCGGGAG	GCCTCTTTG	AGGAGTGGT
	87781	GCGATCCAAG	GAAGTGGCCC	TGGATTTGG	CCTGACGGAA	AGGCTTCGCG	AGCACGAAGC
	87841	CCAGCTGGTG	ATCCTGGCCC	AGGCTCTGGA	CCATTACGAC	TGTCTGATCC	ACAGCACACC
	87901	GCACACGCTG	GTGAGCGGG	GGCTGCAATC	GGCCCTGAAG	TATGAGGAGT	TTTACCTAAA
	87961	GCGTTTGGC	GGGCACTACA	TGGAGTCCGT	CTTCCAGATG	TACACCCGCA	TCGCCGGCTT
	88021	TTTGGCCTGC	CGGGCCACGC	GCGGCATGCG	CCACATCGCC	CTGGGGCGAG	AGGGGTCGTG
	88081	GTGGGAAATG	TTCAAGTTCT	TTTCCACCG	CCTCTACGAC	CACCAAGATCG	TACCGTCGAC
	88141	CCCCGCCATG	CTGAACCTGG	GGACCCGCAA	CTACTACACC	TCCAGCTGCT	ACCTGGTAAA

	88201	CCCCCAGGCC	ACCACAAACA	AGGCGACCCCT	GCGGGCCATC	ACCAGCAACG	TCAGTGCCAT
	88261	CCTCGCCC	AACGGGGCA	TCGGGCTATG	CGTGCAGGCG	TTAACGACT	CCGGCCCGG
5	88321	GACGCCAGC	GTCATGCCG	CCCTCAAGGT	CCTTGACTCG	CTGGTGGCGG	CGCACAAACAA
	88381	AGAGAGCGC	CGTCCGACCG	GCGCGTGC	GTACCTGGAG	CCGTGGCACA	CCGACGTGCG
	88441	GGCGTGT	CGGATGAAGG	GGGTCC	CGGCGAAGAG	GCCCAGCGCT	GCGACAATAT
	88501	CTTCAGGCC	CTCTGGATGC	CAGACCTGTT	TTTCAAGCGC	CTGATTGCC	ACCTGGACGG
10	88561	CGAGAAGAAC	GTCACATGGA	CCCTGTTCGA	CCGGGACACC	AGCATGTCG	TCGCCACTT
	88621	TCACGGGGAG	GAGTTCGAGA	AGCTCTACCA	GCACCTCGAG	GTCATGGGGT	TCGGCGAGCA
	88681	GATA	CAGGAGCTGG	CCTATGGCAT	TGTGCGCAGT	GCGGCCACGA	CCGGGAGGCC
15	88741	CTTCGT	TTCAAAGACG	CGGTGAACCG	CCACTACATC	TACGACACCC	AGGGGGCGGC
	88801	CATCGCC	TCCAACCTCT	GCACCGAGAT	CGTCCATCCG	GCCTCCAAGC	GATCCAGTGG
	88861	GGTCTGCAAC	CTGGGAAGCG	TGAATCTGGC	CCGATGCGTC	TCCAGGCAGA	CGTTGACTT
	88921	TGGCGG	CGCGACGCCG	TGCAGGCGT	CGTGCTGATG	GTGAACATCA	TGATCGACAG
	88981	CACGCTACAA	CCCACGCC	AGTGCACCCG	CGGCAACGAC	AACCTGCGGT	CCATGGGAAT
20	89041	CGGCATGCA	GGCCTGCACA	CGGCCTGCCT	GAAGCTGGGG	CTGGATCTGG	AGTCTGCCGA
	89101	ATTTCA	CTGAACAAAC	ACATCGCCGA	GGTGATGCTG	CTGTCGGCGA	TGAAGACCAG
	89161	CAACCGC	TGCGTTCGCG	GGGCCCGTCC	CTTCAACCAC	TTTAAGCGCA	GCATGTATCG
	89221	CGCCGG	TTTCACTGGG	AGCGCTTCC	GGACGCCCGG	CCGCGGTACG	AGGGCGAGTG
	89281	GGAGATGCTA	CGCCAGAGCA	TGATGAAACA	CGGCCCTGCGC	AACAGCCAGT	TTGTCGCGCT
25	89341	GATGCC	GCCGCCTCGG	CGCAGATCTC	GGACGTCAGC	GAGGGCTTTG	CCCCCTGTT
	89401	CACCAAC	TTCAGCAAGG	TGACCCGGGA	CGGCGAGACG	CTGCGCCCA	ACACGCTCCT
	89461	GCTAAAGGAA	CTGGAACGCA	CGTTTAGCGG	GAAGCGCCTC	CTGGAGGTGA	TGGACAGTCT
	89521	CGACGCCA	CAGTGGTCCG	TGGCGCAGGC	GCTCCCGTGC	CTGGAGCCA	CCCACCCCC
	89581	CGGGCG	AAGACCGCGT	TTGACTACGA	CCAGAAGTTG	CTGATCGACC	TGTGTGCGGA
30	89641	CCGCCCC	TACGTCGACC	ATAGCCAATC	CATGACCC	TATGTCACGG	AGAAGGCGGA
	89701	CGGGAC	CCAGCCTCC	CCCTGGTCCG	CCTTCTGGTC	CACGCATATA	AGGCGGACT
	89761	AAAAACAGGG	ATGTACTACT	GCAAGGTTCG	CAAGGCGACC	AACAGCGGGG	TCTTGGCGG
	89821	CGACGACAAC	ATTGTCTGCA	TGAGCTGCGC	GCTGTGACCG	ACAAACCCCC	TCCCGGCCAG
	89881	GCCC	ACTGTCGTCG	CCGTCCCACG	CTCTCCC	CTGCCATGG	TTCCCGGGCC
35	89941	CCAGCC	CCCCCGCTCT	GACGGCC	ACGGACCAGA	GCGCGACGGC	GGACCTGGCG
	90001	ATCCAGATTC	CAAAGTGC	CGACCCCGAG	AGGTACTTCT	ACACCTCCC	GTGTCCCAC
	90061	ATTAACCACC	TGCGCTC	CAGCATCCTT	AACC	TGGAAACCGA	GCTTGT
	90121	GTGGGG	AGGAGGACGT	CTCCAAGCTT	TCCGAGGGCG	AGCTCAGCTT	TTACCGCTTC
	90181	CTCTTC	TCCTGT	CGCCGACGAC	CTGGTTACGG	AAAACCTGGG	CGGCC
40	90241	GGCCTGTT	AGCAGAAGGA	CATTCTCCAC	TACTACGTG	AGCAGGAATG	CATCGAAGTC
	90301	GTACACT	CGCTGT	ATCATCCAG	CTGGT	TCCACAACAA	CGACCAGGCG
	90361	CGCCG	ACGTGG	TACCATCAAC	CACCCGGCCA	TCCCGGCCAA	GGTGGACTGG
	90421	TTGGAA	GGGTGCGG	ATGCGC	GTTC	AGTTCAATTCT	CATGATCCTC
	90481	ATCGAGGGCA	TCTTTT	CGCCTCG	GGCGCC	CCTACCTTCG	CACCAACAA
45	90541	CTTCTG	TCACCTG	GTCAAACGAC	CTCATCAGC	GGGACGAGGC	CGTGCACACG
	90601	ACGGC	GTTACAT	CAACAACTAC	CTCGGCGG	ACGCCAAGCC	CCCGCCCGAC
	90661	CGCGT	GGCTG	CCAGGCG	GAGATCGAGA	TCGGATT	CCGATCCCAG
	90721	GCGCCG	ACAGCC	CCTGAGCC	GC	AAACTACGTG	
	90781	CGATT	CGGAT	GTGGG	ATCCACATG	AGCCACTG	TTCGCCCCA
	90841	CCCCC	CCAGCTT	GCTGAGC	ATGTC	ACAACACAC	CAATT
	90901	GAGTGT	GCACCT	CGCC	ACAG	ATCTGTGAGT	GTGCGGGCG
	90961	GCTT	GTGTT	CTCGG	AA	ACTTGGG	TCATTGTGAT
	91021	TCTT	GACG	TGGGAGAGGA	AAAAGGCGG	CGAAA	AGTAACCAGG
	91081	CCG	TTCTG	ATAGG	CG	AGTAA	
50	91141	GACAAG	CTCGT	ATAA	TTTAT	TGGTGG	TTTGTTCGGG
	91201	GTAGAAC	GGT	GGG	CTCG	GGACG	GGACGTC
	91261	AGGGGCC	ATATG	TCACG	AACT	GGCG	GGATGTC
	91321	GTAGA	AGGC	GAAGAG	TCG	AA	CGATAAGCGA
	91381	TATGAC	TTAATG	GGT	GATG	AGT	GATCGGGGAG
55	91441	CCAGT	GACT	CGT	GGG	GGG	CCACATAACT
	91501	GCGGT	TCCAG	CGC	GAC	AGCT	GGGTGAGTAT
	91561	CTCCG	GAGGAG	GACG	CGG	GGG	GATCCAGGGGG
	91621	GAGGT	TCGT	ATCCG	GATC	GGT	
	91681	GACG	TCGG	CGG	GGG	GGG	CCGTGGAGCG

	91741	CGAGCTGGTG	TGTTCCGGC	GGATGGCCC	CCGGGTCTGA	GAGCGACTCG	GGGGGGTCCA
	91801	GTGACATTG	CGCAGCACAT	CCTCCACGGA	GGCGTAGGTG	TTATTGGGAT	GGAGGTCGGT
	91861	GTGGCAGCGG	ACAAAGAGGG	CCAGGAAC	GGGGTAGCTC	ATCTTAAAGT	ACTTTAGTAT
5	91921	ATCGCGACAG	TTGATCGTGG	GAATGTAGCA	GGCGCTAATA	TCCAACACAA	TATCACAGCC
	91981	CATCAACAGG	AGGTCA	GGTGTGTA	CACGTACGCG	ACCGTGTG	TGTGATAGAG
	92041	GTTGGCGCAG	GCATCGTCCG	CCTCCAGCTG	ACCCGAGTTA	ATGTAGGCGT	ACCCCAGGGC
	92101	CCGGAGAACG	CGAATACAGA	ACAGATGCGC	CAGACCAGG	GCCGGCTTCG	AGGGCGCGGC
	92161	GGACGGCAGC	GCGGCTCCGG	ACCCGGCCGT	CCCCGGGTC	CCCGAGGCCA	GAGAGGTGCC
10	92221	GCGCCGGCGC	ATGTTGGAAA	AGGCAGAGCT	GGGTCTGGAG	TCGGTGTG	GGGAAGGC
	92281	TGGAGAGGCG	TCCACGTCAC	TGGCCTCCTC	GTCCGTCCGG	CACTGGGCCG	TCGTGCGGGC
	92341	CAGGATGGCC	TTGGCTCCAA	ACACAACC	CTCCATACAA	TTGACCCCCG	GATCGGTAAC
	92401	GAAGATGGGG	AAAAGGGACT	TTTGGGTAAA	CACCTTAAT	AAGCGACAGA	GGCAGTGTAG
	92461	CGTAATGGCC	TCGCGGTCGT	AACTGGGTA	TCGGCCGTGA	TATTTGACCA	CCAACGTGTA
15	92521	CATGACGTT	CACAGGTCCA	CGGCAATGGG	GGTGAAGTAC	CCGGCCGGGG	CCCCAAGGCC
	92581	CCGGCGCTTG	ACCAGATGGT	GTGTGTGGC	AAACTTCATC	ATCCCGAAC	AACCCATGTC
	92641	AGGTCAATTG	TAACTGCGGA	TCGGCCTAAC	TAAGGCGTGG	TTGGTGCGAC	GGTCCGGGAC
	92701	ACCCGAGCCT	GTCTCTCTGT	GTATGGTGAC	CCAGACAACA	ACACCGACAC	AAGAGGACAA
	92761	TAATCCGTTA	GGGGACGCTC	TTTATAATT	CGATGGCCCA	ACTCCACGCG	GATTGGTGCA
20	92821	GCACCCCTGCA	TGCGCCGGT	CGGGCCAACC	TTCCCCCGC	TCATTGCTC	TTCCAAAAGG
	92881	GTGTGGCTA	ACGAGCTGGG	GGCGTATTTA	ATCAGGCTAG	CGCGGCGGGC	CTGCCGTAGT
	92941	TTCTGGCTCG	GTGAGCGACG	GTCCGGTTGC	TTGGGTCCCC	TGGCTGCCAT	AAAAACCCCCA
	93001	CCCTCGCAGC	GGCATACGCC	CCCTCCGCGT	CCCGCACCCG	AGACCCCGGC	CCGCTGCCCC
	93061	TCACCACCGA	AGCCCACCTC	GTCACTGTGG	GGTGTTC	GCCCGCGTTG	GGATGACGGA
25	93121	TTCCCCCTGGC	GGTGTGGCCC	CCGCCTCCCC	CGTGGAGGAC	CGTCCGGA	CGTCCCTCGG
	93181	GCAGCCGGAG	GAGGGGGCGC	CCTGCCAGGT	GGTCCTGCA	GGCGCCGAAC	TTAATGGAAT
	93241	CCTACAGGCG	TTTGCCCCG	TGCGCACGAG	CCTTCTGGAC	TCGCTTCTGG	TTATGGCGA
	93301	CCGGGGCATC	CTTATCCATA	ACACGATCTT	TGGGGAGCAG	GTGTTCC	CCCTGGAAACA
	93361	CTCGCAATT	AGTCGGTATC	GCTGGCGCGG	ACCCACGGC	CGTTCCTGT	CTCTCGTGG
30	93421	CCAGAAAGCGC	TCCCTCC	GCGTGTTCG	CGCCAACCAG	TACCCGGACC	TACGTCGGG
	93481	GGAGTTGGCG	ATCACGGCC	AGGCCCCGTT	TCGCACGCTG	GTTCAGCGA	TATGGACGAC
	93541	GACGTCCGAC	GGCGAGGCCG	TTGAGCTAGC	CAGCGAGACG	CTGATGAAGC	GCGAACTGAC
	93601	GAGCTTTGTG	GTGCTGGT	CCCAGGGAAC	CCCCGACGT	CAGTTGCGCC	TGACGAGGCC
	93661	GCAGCTCACC	AAGGTCTT	ACCGCACCGG	GGCGATAGT	GCCACGCCA	CCACGTTCGA
35	93721	GCTCGGGGTT	AACGGCAAAT	TTTCCGTGTT	CACCACGAGT	ACCTGCGTCA	CCTTTGCTG
	93781	CCGCGAGGAG	GGCGTGTG	CCAGCAC	CACCCAGTC	CAGATCCTGT	CCAACGCGCT
	93841	CACCAAGGCG	GGCCAGGCC	CCGCCAAC	CAAGACGGT	TACGGGAAA	ATACCCATCG
	93901	CACCTTCTCT	GTGGTCGTG	ACGATTGCA	CATGCGGG	GTGCTCCGG	GACTGCAGGT
	93961	CGGCGGGGGC	ACCCTCAAGT	TCTCCTCAC	GACCCCCGTC	CCCAGTC	GCGTCACCGC
40	94021	CACCGGTCCC	AACCGGGTAT	CGCGGTATT	TCTCCTGAA	CCCCAGAAGA	TTTGCCTGGA
	94081	CTGGCTGGGT	CATAGCCAGG	GGTCTCC	AGCGGGAGC	TCGGCCTCCC	GGGCCTCTGG
	94141	GAGCGAGCCA	ACAGACAGCC	AGGACTCCG	GTCGGACGCG	GTCAGCCACG	GCGATCCGGA
	94201	AGACCTCGAT	GGCGCTGCC	GGGCGGGAGA	GGCGGGGGC	TTGCATG	GTCCGATGCC
	94261	GTCGTGAC	ACGCGGGTCA	CTCCCACGAC	CAAGCGGGG	CGCTCGGGGG	GCGAGGATGC
45	94321	GCGCGCGGAC	ACGGCCCTAA	AGAAACCTAA	GACGGGTCG	CCCACCGC	CCCCGCCCGC
	94381	AGATCCAGTC	CCCCTGGACA	CGGAGGACGA	CTCCGATGCG	CGGGACGGGA	CGCGGGCCCC
	94441	TCCCGCCGCT	CCAGACGCC	GGAGCGGAAG	CCGTTACGCG	TGTTACTT	GCGACCTCCC
	94501	GACCGGAGAA	GCAAGCCCCG	GCGCCTTCTC	CGCCTTCCG	GGGGGCCCC	AAACCCCGTA
	94561	TGGTTTTGGA	TTCCCCCTGAC	GGGGCGGGG	CTTGGCGG	GCCCCACT	CGCACCATCC
50	94621	CGGGTTAAATG	TAAATAAACT	TGGTATTG	CAACACTT	CCGCGTGTG	C GTGTGGTTC
	94681	ATGTGTGTG	CTGGCGCCCC	CACCC	TTCGTGTATT	TCCTTTCC	GTCCTTATAA
	94741	AAGCCGTATG	TGGGGCGTGA	CGGAACCAC	CCGCGTGC	TCACGGCAA	GGCGCGGGAT
	94801	GCTCCGCAAC	GACAGCCACC	GGGCCGTGTC	CCC	GGCGAGGAC	GGCCAGGGAC
	94861	CGGACGGCCA	CACCTCGCGT	GC	GGTGTG	TATG	TGCGCGGGC
	94921	TCAGGCCGCC	ACGCTGGGTT	TTGCGGG	GGTGTG	TCGCGC	CGTACGCGA
55	94981	TGCCGCGTCT	GGGGCGT	CCGTCGGGT	CGCCTG	GGCTT	TATG
	95041	TCCCGCTCGCG	CGGCCAAC	CGCGGATATA	CGCCTG	AAACTGGGG	CCGGTGGAGC
	95101	GGCCCTTGTT	CTGTGGAGTC	TCGGGGAGCC	CGGCACG	CCGGGGGGCC	CGGCCCCGGG
	95161	CCCAGGCCACC	CAGTGCCTG	CACTGGGCGC	CGCCTATG	GCGCTCCTG	TGCTCGGCCA
	95221	TGACGTCTAT	CCGCTTT	TCCTCGCCCC	GGGGCCCTG	TTCGTCGGCA	CCCTGGGGAT

	95281	GGTCGTCGGC	GGGCTGACGA	TCGGAGGCAG	CGCGCGCTAC	TGGTGGATCG	GTGGGCCCGC
	95341	CGCGCCGCC	CTGGCCCGG	CGGTGTTGGC	GGGCCCGGG	GCGACCACCG	CCAGGGACTG
5	95401	CTTTCCAGG	GCTTGCCCCG	ACCACCGCCG	CGTCTGTGTC	ATCACCGCAG	GCGAGTCTCT
	95461	TTCCCGCCGC	CCCCCGGAGG	ACCCAGAGCG	ACCCGGGGTT	CCCGGGCC	CGTCCCCCCC
	95521	GACCCCCAA	CGATCCCACG	GGCCGCCGGC	CGATGAGGTC	GCACCGGCCA	GGGTCGCGCG
	95581	GCCGAAAAC	GTCTGGGTGC	CCGTGGTCAC	CTTCTGGGG	GGGGCGCGC	TTGCCGTCAA
	95641	GACGGTGCAG	GAACATGCC	GGGAAACGCC	GGGCCCGGGC	CTGCCGCTGT	GGCCCCAGGT
10	95701	GTTCCTCGGA	GGCCATGTGG	CGGTGGCCCT	GACGGAGCTG	TGTCAAGGCGC	TTCCGCCCTG
	95761	GGACCTTACG	GACCCGCTGC	TGTTTGTTC	CGCCGGACTG	CAGGTCACTCA	ACCTCGGGTT
	95821	GGTGTTCGG	TTTCCGAGG	TTGTCGTGTA	TGCGCGCTA	GGGGGTGCCG	TGTGGATTTC
	95881	GTTGGCGCAG	GTGCTGGGGC	TCCGGCGTCC	CCTGCACAGG	AAGGACCCCG	GGGACGGGGC
	95941	CCGGTTGGCG	GCGACGCTTC	GGGGCCTCTT	CTTCTCCGTG	TACCGCCTGG	GGTTTGGGGT
15	96001	GGGGGTGCTG	CTGTGCCCTC	CGGGGTCAAC	GGGCAGGGCGG	TGCGGCGATT	GATATATTTT
	96061	TCAATAAAAG	GCATTAGTCC	CGAACGACCGC	CGGTGTGTGA	TGATTTGCC	ATAACACCCA
	96121	AACCCCGGAT	GGGGCCCGGG	TATAAATTCC	GGAAGGGGAC	ACGGGCTAAC	CTCACTATCG
	96181	AGGGCGCTTG	GTGGGAGGC	CGCATCGAAC	GCACACCCCC	ATCCGGTGGT	CCGTGTGGAG
	96241	GTCGTTTCA	TGCCCCTGCT	CGCTTTGCCG	GGAACGGCTAG	CCGATCCCTC	GCGAGGGGGA
	96301	GGCGTCGGGC	ATGGCCCCGG	GGCGGGTGGG	CCTTGGCGTG	GTCCTGTGGA	GCCTGTTGTG
20	96361	GCTCGGGGCG	GGGGGTGTC	GGGGCTCGGA	AACTGCCCTC	ACCGGGCCCA	CGATCACCGC
	96421	GGGAGCGGTG	ACGAACGCGA	GCGAGGCC	CACATCGGGG	TCCCCCGGGT	CAGCCGCCAG
	96481	CCCAGGGTC	ACCCCCACAT	CGAACCCAAA	CCCCAACAAAT	GTCACACAAA	ACAAAACAC
	96541	CCCCAACCGAG	CGGGCCAGCC	CCCCAACAAAC	CCCCAAGCCC	ACCTCCACGC	CCAAAAGCCC
	96601	CCCCACGTCC	ACCCCCGACC	CCAAACCCAA	GAACAACACC	ACCCCGCCCA	AGTCGGGCCG
	96661	CCCCACTAAA	CCCCCGGGC	CCGTGTGGT	CGACCGCCGC	GACCCATTGG	CCCGGTACGG
25	96721	CTCGGGGTG	CAGATCCGAT	GCCGGTTTC	GAATTCCACC	CGCATGGAGT	TCCGCTCCA
	96781	GATATGGCGT	TACTCCATGG	GTCCGTCCCC	CCCAATCGCT	CCGGCTCCCG	ACCTAGAGGA
	96841	GGTCCTGACG	AACATCACCG	CCCCACCCGG	GGGACTCCTG	GTGTACGACA	GCGCCCCCAA
	96901	CCTAACGGAC	CCCCACGTGC	TCTGGGCGGA	GGGGGCCGGC	CCGGGCGCCG	ACCCCTCGTT
	96961	GTATTCTGTC	ACCGGGCCGC	TGCCGACCCA	GCGGCTGATT	ATCGGCGAGG	TGACGCCCGC
30	97021	GACCCAGGGA	ATGTATTACT	TGGCCTGGGG	CCGGATGGAC	AGCCCGCAGC	AGTACGGGAC
	97081	GTGGGTGCGC	GTCCGCATGT	TCCGCCCCC	GTCTCTGACC	CTCCAGCCCC	ACGCGGTGAT
	97141	GGAGGGTCAG	CCGTTCAAGG	CGACGTGCA	GGCCGCCGCC	TACTACCCGC	GTAACCCCGT
	97201	GGAGTTGTC	TGGTTCGAGG	ACGACCACCA	GGTGTAAAC	CCGGGCCAGA	TCGACACGCA
	97261	GACGCACGAG	CACCCCGACG	GGTCACCCAC	AGTCTCTACC	GTGACCTCCG	AGGCTGTGCG
35	97321	CGGCCAGGTC	CCCCCGGGG	CCTTCACCTG	CCAGATGACG	TGGCATCGCG	ACTCCGTGAC
	97381	GTTCTCGCGA	CGCAATGCCA	CCGGGCTGGC	CCTGGTGTG	CCCGGGCCAA	CCATCACCAT
	97441	GGAATTGGGG	GTCCGCATTG	TGGTCTGCAC	GGCGGGCTGC	GTCCCCGAGG	GCGTGACGTT
	97501	TGCCTGGTTC	CTGGGGGACG	ACCCCTCACC	GGCGGCTAAG	TGGCCGTTA	CGGCCAGAGA
	97561	GTCGTGCAC	CACCCCGGGC	TGGCTACGGT	CCGGTCCACC	CTGCCCCATT	CGTACGACTA
40	97621	CAGCGAGTAC	ATCTGTCGGT	TGACCGGATA	TCCGGCCGGG	ATTCCCGTT	TAGAACACCA
	97681	CGGCAGTCAC	CAGCCCCCAC	CCAGGGACCC	CACCGAGCGG	CAGGTGATCG	AGGCAGATCGA
	97741	GTGGGTGGGG	ATTGGAATCG	GGGTTCTCGC	GGCGGGGGTC	CTGGTCGTAA	CGGAATCGT
	97801	GTACGTCGTC	CGCACATCAC	AGTCGCGGCCA	GCGTCATCGG	CGGTAACGCA	AGACCCCCCC
	97861	GTTACCTTTT	TAATATCTAT	ATAGTTGGT	CCCCCTCTA	TCCCGCCCCAC	CGCTGGGCC
45	97921	TATAAAGCCG	CCACCCCTCTC	TTCCCTCAGG	TCATCCTGG	TCGATCCCAG	ACGACACACG
	97981	GCGTGGAGCA	AAACGCCTCC	CCCTGAGCCG	CTTCTCTACC	AACACAAACGG	CATGCCTCTG
	98041	CGGGCATTGG	AACACGCTA	CCGGCCCCCTG	GGCCCCGGGA	CACCCCCCAT	GCGGGCTCGG
	98101	CTCCCCGCCG	CGGCCCTGGGT	TGGCGTCGGG	ACCATCATCG	GGGGAGTTGT	GATCATTGCC
	98161	GCGTGGTCC	TCGTGCCCTC	GCGGGCCTCG	TGGGCAC	CCCCATGCGA	CAGCGGATGG
50	98221	CACGAGTTCA	ACCTCGGGTG	CATATCCTGG	GATCCGACCC	CCATGGAGCA	CGAGCAGGCG
	98281	GTCGGCGGCT	GTAGCGCCCC	GGCGGACCTG	ATCCCCCGCG	GGGCTGCCAA	ACAGCTGGG
	98341	GCCGTGCGAC	GCCTGCCAGTC	GGCAAGATCC	TCGGGCTACT	GGTGGGTGAG	CGGAGACGGC
	98401	ATTCGGGCCT	GCCTGCGCT	CGTCGACGGC	GTGCGCGTA	TTGACCAAGTT	TTGCGAGGAG
	98461	CCCGCCCTTC	GCATATGCTA	CTATCCCCGC	AGTCCCCGGG	GCTTGTCA	GTTTGTAACT
55	98521	TCGACCCGCA	ACGCGCTGGG	GCTGCCGTGA	GGCGCGTGA	CTGCGGTCTG	TCTCGTCTCC
	98581	TCTTCCTCCCC	TTCCCTCCCC	CTCCGCATCC	CAGGATCACA	CCGGTCAAACG	AGGGTTGGGG
	98641	GGGTCCGGCA	CGGACCCAAA	ATAATAAACCA	CACAATCACG	TGCGATAAAA	AGAACACGCG
	98701	GTCCCCCTGTG	GTGTTTTGG	TTATTTTAT	TAAATCTCGT	CGACAAACAG	GGGGAAAGGG
	98761	GCGTGGTCTA	GCGACGGCAG	CACGGGCCGA	GGCGTTCACC	GGCTCCGGCG	TCCTTCGCGT

	98821	TTAACGCTTGG	TCAGGAGGGC	GCTCAGGGCG	GCGACGTTGG	TCGGGCCGTC	GTTCGGTCAGG
	98881	GCGTTGGCTC	GATGGCGGGC	GAGGACGGGC	GAGGGGCTCA	ACGGCGGGGG	CGGGGGGCCCG
	98941	GTGCGGCCCG	GGGGGGAAAA	TAGGGCGGAT	CCCCCCCAGT	CGTACAGGGG	ATTTCGCGCC
5	99001	TCAATGTACG	GGGAGGCCGG	CGCTGCATTC	GCCGTGTTCA	CGCAGACGTT	TTCGTAGACC
	99061	CGCATCCATG	GTATTTCTC	GTAGACACGC	CCCCCGTCCT	CGCTCACCGT	CTCGTATATT
	99121	GACTCGTCGT	CCTCGTAGGG	GGCGTGCCGT	TCGCGGGCCG	AGGCGGCGTG	GGTGGCTTTG
	99181	CGGCGGGCGT	CGTCGTCGTC	GTCGTCGGCC	GTCAGATAACG	TGGCTTCCAT	CTGGTCGGGT
	99241	TCTCCCTCCG	GGGCGGGTCC	CCACACCCGT	GGCGATCGA	GGCTCCCCAG	AGACGCGCGC
10	99301	CGGACGAGGA	GGGGGCACGT	CGCCGCCGGC	GGTCGCTGT	GGGGTCCCCG	GACGTTACGG
	99361	GCGGGGAGGC	GCGGGGGCAC	CTCCCCCATG	TGCGTGTAAAT	ACGTGGCCGG	CTGTGTGGCC
	99421	GCAGCGGGGG	GCTCGGGCAC	CGGGTCGTTTC	GCATCCGGAA	GCGGGGGGCC	CGCGCCGTCC
	99481	GCGCGGCGCC	TCCGGAACCT	CCGGGTGGAC	GCGGGGGTCG	AGTGTAGGCG	AGGTGGGGGG
	99541	AGGGGGCGGGG	GCTCGTTGTC	GCGCCGCGCC	CGCTGAATCT	TTTCCCGACA	GGTCCCACCC
15	99601	CCCGCGCGAT	GCCCCCCC GG	GCCGCTGGCC	ATGTCGTCCG	GGGGAGGCC	CGCGGACCAC
	99661	GTCGTCCGGC	GAGACGCCAC	GAGCCGCGAGG	ATGGACTCGT	AGTGGAGCGA	CGGCGCCCCG
	99721	TTGCGGAGCA	GATCCGCGGC	CAGGGCGGGCC	CCGAACCAAG	CCTTGATGCT	CAACTCCATC
	99781	CGGGGCCAGC	TGGGGCGGGT	CATCGTGGGG	AACAGGGGGG	CGGTGGTCG	ACAGAAACGC
	99841	TCCTGGCTGT	CCACCGCGGC	CCGCAGATAAC	TCGTTGTTCA	GGCTGTCGGT	GGCCCAGACG
	99901	CCGTACCCGG	TGAGGGTCGC	GTTGATGATA	TACTGGCGT	GGTGTATGGAC	GATCGACAGA
20	99961	ACCTCCACCG	TGGATACGAC	GGTATCCACG	GTCCCGTACG	TACCGCCGCT	CCGCTTGCCG
	100021	GTCTGCCACA	GGTTGGCTAG	GGCGTCAGG	TGGCCCAGGA	CGTCGCTGAC	CGCCGCCCTG
	100081	AGC GCCATGC	ACTGCATGGA	GCCGGTCGTG	CCGCTGGGAC	CCCGGTCCAG	ATGGCGCGCG
	100141	AACGTTCCG	CGGGCGCCTC	CGGGCTGCCG	CCGAGCGGGG	GGAACCGGGG	ATTGGAGGGG
	100201	CTCAGCCGGT	GACATACGTG	CTTGTCCGTC	GTCCACAGCA	TCCAGGACGC	CCACCGGTAC
25	100261	AGCACGGAGA	CGTAGGCCAG	GAGCTCGTTG	AGCCGCAGTG	CGGTGTGCGT	GCTGGGGCGG
	100321	CTTGGGTCCG	CGGGCGCAT	AAAAGAACATG	TACTGCTGAA	TCCGATGGAG	GGCGTCGCGC
	100381	AGGCCGGCA	CGGTGGCGGC	GTACTTGGCC	GCCACGGCCC	CGCTCTTGAA	CGGGGTGCGC
	100441	GCCAGCAGCT	TTGGCGCCAG	GGTGGGCCG	AGCAGCACGT	GAAGGCTGGG	GTCCGAGTCG
	100501	CCCACGGGGT	CCTCGGGGAC	GTCCAGGCCG	CTGGGCACCA	CCGTCCTGAG	GTACTTCCAG
30	100561	TACTGCGTGA	GGATGGCGCG	GCTCAACTGG	CCGCCGGGCA	GCTCCACCTC	GCCCCAGCGCC
	100621	TGGGTGGCGG	CCGAAGCGTA	GTGCCGGATG	TACTCGTAGT	CGGGGTGCGT	GGCGAGCCCC
	100681	TCCACGATCA	AACTCTCGG	AAACCGTGTG	TGTTGCCGCG	CGGCCAACCG	GACGCTGCGA
	100741	TCGGTGCAGG	TCAGAAACGC	CGGCTGCGCG	TCGTCGGAGC	GCTGCCGCAA	GGCGCCCACG
	100801	GCCCGCGCTAA	GGAGCCCCCTC	CGGGGGTGGGG	AGCAGACACC	CGCCGAAGAT	GCGCCGCTCG
35	100861	GGAACGCCCG	CGTTGTGCC	GGGGATCAGG	TTGGCAGGCG	TCAGGCACCG	CGCCAGCCGC
	100921	AGGGAGCTCG	CGCCGCGCGT	CGGGCGCTGC	ATGGTGACGC	CCGTTCGGTC	GGGACCCGCC
	100981	GGT CGGAGTT	ATGCCGCGTC	CAGGGCCATC	GGGGCGCTTT	TTATCGGGAG	GAGCTTATGG
	101041	GC GTGGCGGG	CCTCCCAGCC	CGGTCGCGCG	CCTCCCCGAC	ACGTGCGCCC	GCAGGGCGGC
	101101	GGCCCCCTCG	TCTCCCATCA	GCAGTTCT	AAACTGGAC	ATGATGTCCA	CCACCGGGAC
40	101161	CCGCGGGGCC	AACACGGACC	CGCCGCTTAC	GGGGCGGGG	GGGAAGGGCT	CCAGGTCTT
	101221	GAGAAGAAAG	GC GGGGTCTG	CCGTCCCGGA	CACGGGGGCC	CGGGGCGCTG	AGGAGGCGGG
	101281	GCGCAGATCC	ACGTGCTCCG	CGGCCGCGCG	GACGTCCGCC	CAGAACTTGG	CGGGGGTGGT
	101341	GCGCGCGTAC	AGGGGCTGGG	TCGCTCGGAG	GACGCACGCG	TAGCGCAGGG	GGGTGTACGT
	101401	GCCCACCTCG	GGGGCGCGTA	ATCCCCCGTC	AAACGCGGCC	AGTGTACCGC	ACGCCACAC
45	101461	GGTGTGCGCA	AAGCCCAGCA	GCCGCTGCAG	GACGAGCCCG	CGGGCCAGAA	TGGCGCGCGT
	101521	GGCCGCCCGCG	TCGTCCCCGC	GCCGGTGC	GTCCCCGCAC	CCCCGGGCGT	ACTTTAAGGT
	101581	CACGGTCGCC	AGGGCCGTGT	GCAGCGCGTA	CACCGCAGCG	CCCAGCACGG	CGTTGAGGCC
	101641	GCTGTTGGCG	AGCAGCCGGC	GGCCTGCCGT	GTGCCCGCAGC	CCCTCGTGT	CGGGCCCCAC
	101701	GACCGCGGGG	CTTCCCAGGG	GCAGGGCGCG	AAACAGCTCC	TCCCGCGCCA	CGTC CGCAA
50	101761	GGCGGGGTGG	TGCACGTGCG	GGTGCAGGCG	CGCCCCCACG	ACCACCGAGA	GC CACTGGAC
	101821	CGTCTGCTCC	GCCATCACCG	CCAGCACATC	CAGCACGCGC	CCCAGGAAGG	CGGCCTCCCG
	101881	CGTCAAAACG	CACCGGACGG	CGTGGGATT	GAAGGGGGCG	AGCAGGGCCC	CGGTGGCCAG
	101941	GTACGTCATG	CGGCCGGCAT	AGCAGGGCGGC	CACGCCGACAG	TCGCGGTCCA	GCAGCGCGCG
	102001	CACCCCGGGC	CAGTACAGCA	GGGACCCCAG	CGAGCTGCGG	AACACCGCGG	CGTCGGGGCC
55	102061	GGATTGGGGG	GACACTAAC	CCCCCGCGCT	CAGTAACGGC	ACGGCGCGGG	CCCCGACGGG
	102121	ACGCAACGCC	GTGAGGCTCG	CGAAGCTGCCG	CCTCACTCG	GGCGCCCTGT	CGTCCAGGTC
	102181	AGACCCGCGC	GCCTCCGCGT	GAAGGCGCGT	CCCGCACACC	CACCGTTGA	TGGCCAGCCG
	102241	CACGACGGCA	TCCGCCAAAA	AGCTCATCGC	CTGGGCGGGG	CTGGTTTTG	TTCGACGATC
	102301	CGTCAGGTCA	AGAATCCCAT	CGCCCGTGAT	ATACCAGGCC	AACGCCCTCGC	CTGCTGCGAG

	102361	GGTTTGGCGG AAAAACACCG CGGGGTTGTC	GGGGGAGGCG AAGTGCATGA CCCCCACGCG
	102421	CGATAACCCG AACCGCCTAT CCGGACACCGG	GTAAAACCCG GCCGGATGCC CCAGGGCTAG
	102481	GGCGGAGCGC ACGGACTCGT CCCACACCGC	AACCTGAGGG GCCAGTCGAT CCAACGGGAA
5	102541	TGCCGCCGG AGCTCCGGGC CGGGCACGCG	TCCCTCCAGA ACTTCCACCT TGGCGGGGA
	102601	ACGGGCCCCG CGGCCGTCCT CGGGCCCGAC	GGCTTCCGGG TAGTCGTCCT CCTCGTACTG
	102661	CAGCTCCTCT AGGAACAGCG GCGACGGCGC	CACCCCGCAA CGCCGACCC GCCCCAAAT
	102721	AGCCCAGCGC TCGACGGGAC CCAGGTATCC	CCCCTGCCGG GCCTGCGGAG GACCGCGGGG
	102781	AACCTCATCA TCATCGTCCA GGCGACCGCG	CACCGACTGG CTACGGGCCG CATCGGGCC
0	102841	GGGGCGCTGC CGGGACGCTC GGCGATGGGA	TGTGGCGGG GCTTCCGACG CGCGCCGTC
	102901	TCGGGCTCGC GGGCCTTCCC GTCGACGGCG	CACGGGCGGC TCGTCGCCCC CCATCTCTC
	102961	CAGAGCCTCT AGCTCGCTGT CGTCATCCCC	GCGGAACACC GCACGCAAGG ACCCCATGAA
	103021	CCCCACCCCA TCGCCCGCTG GTCGTCCGC	CACGGGCGAG GCGCGGGGGC GGGTGGATGC
	103081	GCGCCTCCTG CGCCCCGCGG GTTCGCGAGC	CGACATGGTG GCGATAGACG CGGGTTATCG
5	103141	GATGTCCGCT ACCCCCCAAA AAAGAAAAAG	ACCCCACAGC GCGGATGGAG GCGGGGTA
	103201	GTGCCGCCGG ACCCCCCTCGC GATGGGAATG	GACGGGAGCG ACGGGGCCGG CGCAAAAAAA
	103261	CGCAGTATCT CCCCGCAAGG CTACCCGCCG	CCCCAGCCCC CGGCCAAATG CGGAAACGGT
	103321	CCCGCGCTCT CGCCTTTATA CGCGGGCGC	CCTCGGACAC AATCACCGT CGTGGTTT
	103381	GAATCTACAC GACAGGCCCG CAGACCGGC	TAACACACAC GCCGGCAACC CAGACCCAG
	103441	TGGGTTGGTT GCGCGGTCCC GTCTCTGGC	TAGTTCTTC CCCCACCACC AAATAATCAG
0	103501	ACGACAACCG CAGGTTTTGT AATGTATGT	CTCGTGTAA TTGTTGGATAC GAACCGGTGA
	103561	CGGGGAGGGAA AAACCCAGAC GGGGGATGCG	GGTCCGGTCG CGCCCCCTAC CCACCGTACT
	103621	CGTCAATTCC AAGGGCATCG GTAAACATCT	GCTCAAACTC GAAGTCGGCC ATATCCAGAG
	103681	CGCCGTAGGG GGC GGAGTCG TGGGGGTA	ATCCCGGCC CGGGGAATCC CGTCCCCCA
	103741	ACATGTCCAG ATCGAAATCG TCTAGCGCG	CGGCATGCGC CATGCCACG TCCTCGCCGT
5	103801	CTAAGTGGAG CTCGTCCCCC AGGCTGACAT	CGGTGGGGG GGGCGTCGAC AGTCTGCGC
	103861	TGTGTCCCGC GGGGAGAAAG GACAGGCGC	GAGCCGCCAG CCCCGCTCT TCGGGGCGT
	103921	CGTCGTCCGG GAGATCGAGC AGGCCCTCG	TGGTAGACCC GTAATTGTT TTCGTACGCG
	103981	CGCGGCTGTA CGCGTGTTC CGCATGACC	CCTCGGAGGG CGAGGTCGT AAGCTGGAAT
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	104101	CATGCAGGGT GGGGAGGGTC GTCAACGGC	CCCCCTGGCTC CTCCGTAGCC GCGCTGCGC
	104161	CCAGCAGGGAG GTTAAGGTGC TCGCGAATG	GGTTTAGCTC CCGCAGCCGG CGGGCCTCGA
	104221	TTGGCACTCC CGGGACGGGT AGCGCTCCG	TGACGAACAT GAAGGGCTGG AACAGACCCG
	104281	CCAAGTGCAG CCAGCTCTCC AGGTCGCAAC	AGAGGCAGTC AAACAGGTCG GGCGCATCA
	104341	TCTGCTCGGC GTACGCGGCC CATAGGATCT	CGCGGGTCAA AAATAGATAC AAATGCAAA
5	104401	ACAAAACACG CGCCAGACGA GCGGTCTCT	GGTAGTACCT GTCCGCGATC GTGGCGCGC
	104461	GCATTTCTCC CAGGTCGCGA TCGCGTCCG	GCATGTGCGC CTGGCGGTGC AGCTGCCGGA
	104521	CGCTGGCGCG CAGGTACCGG TACAGGGCCG	AGCAGAAGTT GGCAACACG GTTCGATAGC
	104581	TCTCCTCCCG CGCCCGTAGC TCGCGTGG	AGAAACAGAGA GAGCGCTTCG TAGTAGAGCC
	104641	CGAGGCCGTC GCGGGTGGGC GGAAGCGTAG	GGAAAGGCCAC GTCGCCGTGG GCGCGAATGT
10	104701	CGATTTGGGT GCGTTGGGG ACGTACGCG	CCCCCCATTC CACCACATCG CTGGCAGCG
	104761	TTGATAGGAA TTTACACTCC CGGTACAGGT	CGGCGTGGT CGGTAGCGCC GAAAACAGAT
	104821	CCTCGTTCCA GGTATCGAGC ATGGTACATA	GCGCGGGGCC CGCGCTAAAG CCCAAGTCGT
	104881	CGAGGAGACG GTTAAAGAGG GCGGGGGGG	GGACGGGCAT GGGTGGGGAG GGCATGAGCT
	104941	GGGCCTGGCT CAGGCCGCCCC GTTGCCTAC	CGGGGGGGGC CGCCGGGGGT TTTTGGGAC
15	105001	CCCCGGCCGG GCGGGGGGGC GGTGGCGAAC	CGCCGTCGCC GTTCATGTCG GCAAACAGCT
	105061	CGTCGACCAA GAGGTCCATT GGGTGGGGT	GATACGGGAA AGACGATATC GGGCTTTGA
	105121	TGCGATCGTC CCCGCCGCC CAGAGAGTGT	GGGACGGCCCG ACGGCGCGGG AAGAGAAAAC
	105181	CCCCAAACGC GTTAGAGGGAC CGGACGGACC	TTATGGGGGG AAGTGGGCAG CGGAAACCCC
	105241	GTCCGTCTCC GAGGAATGAC AGCCCGTGGT	CGCCACCAAG CATTAAAGCA ACCCGCACGG
20	105301	GCCGCCCGT ACCTCGTGC TTCCCCCACC	ATTGGCTCCT GTCACTGTGAA GGCAGAACCGA
	105361	GGGCGGCTGT CCAACCCACC CCCCCGCCACC	CAGTCCCGGT CCCCGTCGGA TTGGGAAACAA
	105421	AAGGCACGCA ACGCCAACAC CGAATGAACC	CCTGTTGGTG CTTTATTGTC TGGGTACGGA
	105481	AGTTTCACT CGACGGGCCG TCTGGGGCGA	GAAGCGGAGC GGGCTGGGGC TCGAGGTGCG
	105541	TCGGTGGGGC GCGACGCCGC AGAACGCC	CGAGTCGCCG TGGCCGCGTC GACGCTCTGC
25	105601	ACCACGTCTG GATTCACCAA CTCGGTGGCG	CGCTGAAGCA GGTTTTTGCC CTCGCGAGACC
	105661	GTCACGCGGA TGGTGGGTGAT GCCAAGGAGT	TCGTTGAGGT CTTCGTCTGT GCGCGGACCC
	105721	GACATGTCCC AGAGCTGGAC CGCCGCCATC	CGGGCATGCA TGGCCGCCAG GCGCCCGACC
	105781	GCGGCGCAGA AGACCGCGCTT GTTAAAGCCG	GCCACCCGGG GGGTCCATGG CGCGTCGGGG
	105841	TTTGGGGGG CGGTGCTAAA GTGCAGCTT	CTGGCCAGCC CCTGCGCGGG TGTCTGGAT

	105901	CGGGTTGGCG	CCGTCGACGC	GGGGGCGTCT	GGGAGTGCAG	CGGATTCTGG	CTGGGCGAT
	105961	TTCCTGCCGC	GGGTGGTCTC	CGCCGCCGGG	GCCGCGGGGG	CCTTAGTCGC	CACCCGCTGG
5	106021	GTCGGGGGGG	CCC GG GGG G	GGTGGTGGGT	GTGCGTCCGG	CCCCTCCGGA	CCCAGCGGGT
	106081	GGCGGAGGCG	CCC CGC CAGG	CCCCGGGCCG	GACAAAACCG	CCCCGGAAAC	GGGACGCCGC
	106141	GTCCGGGGGA	CCTCCGGGTG	TTCGTCGTCT	TCGGATGACG	AGCCCCCGTA	GAGGGCATAA
	106201	TCCGACTCGT	CGTACTGGAC	GAAACGGACC	TCGCCCCCTC	GGCGCGAGCG	TGTCTGTAGG
	106261	GCGCACCGGC	GGGAGGTGTC	AGGCGGACTA	TCGGGACTCG	CCATACCTGA	AGACGGGGTG
	106321	TAGTACAGAT	CCTCGTACTC	ATCGCGCGGA	ACCTCCCGCG	GACCCGACTT	CACGGAGCGG
10	106381	CGAGAGGTCA	TGGTTCCACG	AACACGCTAG	GGTCGGATGC	GC GGACAATT	AGGCCTGGGT
	106441	TCGGACGGCG	GGGGTGGTGC	AGGTGTGGAG	AGGTCGAGCG	ATAGGGGCGG	CCC CGGAGAG
	106501	AAGAGAGGGT	CCGAAAACC	CACTGGGGAT	GC GTGAGTGG	CCCTCTGTGG	GC GG TG GGGGG
	106561	AGAGTCTTAT	AGGAAGTGCA	TATAACCACA	ACCCATGGGT	CTAACCAATC	CCCAGGGGCC
	106621	AAGAAACAGA	CACGCCCAA	ACGGTCTCGG	TTTCCCGAG	GAAGGGGAAG	TCCTGGGACA
15	106681	CCCTCCACCC	CCACCCCTCA	CCCCACACAG	GGCGGGTTCA	GGCGTGCCCG	GCAGCCAGTA
	106741	GCCTCTGGCA	GATCTGACAG	ACGTGTGCGA	TAATACACAC	GCCCATCGAG	GCCATGCCTA
	106801	CATAAAAGGG	CACCAGGGCC	CCC GG GGG CAG	ACATTGCGCC	AGTGT TTTGG	GTCTCGCACC
	106861	GCGCGCCCCC	GATCCCATCG	CGCCCGCCCT	CCTCGCCGGG	CGGCTCCCCG	CG CGG GCGCCG
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20	107041	TCCAGCCGGA	CAGCTTGGGT	CGGGGGTACCG	ATGGCGACTG	GCACACGGCC	GTCGCTACTC
	107101	GCGGGGGCGG	AGTCGTGCAA	CTGAACCTGG	TCAACAGGCG	CGCGGGTGGCT	TTTATGCCGA
	107161	AGGTTAGCGG	GGACTCCGGA	TGGGCGTCC	GGCGCGTCTC	TCTGGACCTG	C GA ATGGCTA
	107221	TGCGGGCTGA	CTTTTGC GCG	ATT ATT CACG	CCCCCGCGCT	AGCCAGCCCC	GGG CACCACG
	107281	TAATACTGGG	TCTTATCGAC	TCGGGGTACCG	CGGGAAACCGT	TATGGCCGTG	GTCGTAGCGC
25	107341	CTAAAAGGAC	GCGGGAAATT	GCCCCCGGGG	CCCTCGGGGT	CGACGTGACG	TTCTGGACAA
	107401	TCCTGGCGAC	CCCCCCC GGGC	CTCACCGAGC	CGATTTCCTC	CGGGCAGTTC	CCGCAACTGG
	107461	CGCCCCCCCC	TCCAACCGGG	GCCGGGATAC	GCGAAGATCC	TTGGTTGGAG	GGGGCGCTCG
	107521	GGGCCCCAAG	CGTGACTACG	GCCCTACCGG	CGCGACGCCG	AGGGCGGTCC	CTCGTCTATG
	107581	CCGGCGAGCT	GACGCCGGTT	CAGACGGAAC	ACGGGGACGG	CGTACGAGAA	GCCATCGCCT
30	107641	TCCTTCCAAA	ACCGGAGGAG	GATGCCGGTT	TCGACATTGT	CGTCCGTCCG	CGGGTCACCG
	107701	TCCCCGGCAA	CGGCACCAACG	GTCGTGCAGC	CATCCCTCCG	CATGCTCCAC	CGGGACGCCG
	107761	GGCCCCCGGC	CTGCTATGTG	TTGGGGCGGT	CGTCGCTCAA	CGCCCGCGGC	CTCCTGGTCG
	107821	TTCCCTACGCG	CTGGCTCCCC	GGGCACGTAT	GTGCGTTGT	TGTTTACAAC	CTTACGGGGG
	107881	TTCCGTGAC	CCTCGAGGCC	GGCGCCAAGG	TCGCCAGCT	CCTGGTTGCG	GGGGCGGAGC
35	107941	CTCTTCCCTG	GATCCCCCG	GACAACTTTC	ACGGGACCAA	AGCGCTTCGA	AACTACCCCA
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	108061	AGTTTGACGC	GGAGGCCCCC	CCGAGCGAGC	CGGGGACCGG	GGGTTTTGGT	TCTACCGGT
	108121	TTTAGCCCAC	AGCTTTGGGT	TCGTTCCGGG	CAATAAAAAA	CGTTTGTATC	GCATCTTTCC
	108181	TGTGTGTAGT	TGTTTATGTT	GGATGCCTGT	GGGTCTATCA	CACCCGCC	TCCATCCAC
40	108241	AAACACAAAA	CACACGGGTT	GGATGAAAAC	ACGCATTAT	TGACCCAAA	CACACGGAGC
	108301	TGCTCGAGAT	GGGCCAGGGC	GAGGTGCGGT	TGGGGAGGCT	GTAGGTCTGG	GAACGGACAC
	108361	GCGGGGACAC	GATTCCGGTT	TGGGGTCCGG	GAGGGCGTCG	CCGTTTCCGG	CGGCAGGCCG
	108421	CAGCGTAACC	TCCGGGGGCG	GGCGTGTGGGG	GTGCCCAAG	GAGGGCGCCT	CGGTCAACCC
	108481	AATCCCCCCC	GACCGGGTT	CCCCGGCAAC	CCCGAAGGCG	GAGAGGCCAA	GGGCCCGTTC
45	108541	GGCGATGGCC	ACATCCTCA	TGACCACGTC	ACTCTGGCC	ATGCTCCGAA	TAGCCTGGGA
	108601	GACGAGCACA	TCCCGGGACT	TGTCA GCGC	CCCCACGGAC	ATGTACATCT	GCAGGATGGT
	108661	GGCCATACAC	GTGTCCGCCA	GGCGCCGCAT	CTTGTCTGA	TGGGCGGCCA	CGGCCCGCTC
	108721	GATCGTGGGG	GCCTCGAAC	CGGGGTGGTG	CGCGCCAGT	CGTTCTAGGT	TCACCATGCA
	108781	GGCGTGGTAC	GTGCGGGCCA	AGGC GCGGGG	CTTCACGAGG	CGTCGGGTGT	CGTCCAGGG
50	108841	CCCCAGGGCG	TCATCGAGCG	TGATGGGGC	GGGAAGTAGC	CGGTTAACGA	CGGCCAGGGC
	108901	CTCCTGCAGC	CGCGGCTCCG	CCTCCGAGGG	CGGAACGGCC	CGCGGGATCA	TCTCATATTG
	108961	TTCCCTGGGG	CGCGCTCCCC	AGCCACATAT	AGCCCCGAGA	AGAGAAGCCA	TCGCGGGCGG
	109021	GTACTGGCCC	TTGGGCGCGC	GGACGCAATG	GGGCAGGAAG	ACGGGAACCG	CGGGGAGAGG
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55	109141	ACCTCTTCGA	TCGCCCTCCT	CACAAACTCT	CTACTGGGGG	CCGAGCCGGT	TTATATATT
	109201	AGCTACGACG	CATACACGCA	CGATGGCCGT	GGCGACGGGC	CCACGGAGCA	AGACAGGTT
	109261	GAAGAGAGTC	GGCGCCTCTA	CCAAGCGTCG	GGCGGGCTAA	ATGGCGACTC	CTTCCGAGTA
	109321	ACCTTTGTT	TATTGGGGAC	GGAAAGTGGGT	GGGACCCACC	AGGCCC CGGG	GC GA ACCCGA
	109381	CCCATGTTCG	TCTGTGCGCTT	CGAGCGAGCG	GACGACGTG	CCGCGCTACA	GGACGCCCTG

	109441	GCGCACGGGA	CCCCGCTACA	ACCGGACCAC	ATCGCCGCCA	CCCTGGACGC	GGAGGCCACG
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	109561	CGCACCGGGAC	GCGACGCCGC	CGCGCGCAG	TATGATCAGG	GCGCGTCCCT	ACGCTCGCTC
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5	109681	CGCGTGCTTG	CCCGTACCG	CAGGGCGTAT	TATGGAZAGCG	CGCAGAGTCC	CTTCTGGTTT
	109741	CTTAGCAAAT	TCGGGCCGGA	CGAAAAAAAGC	CTGGTGCTCA	CCACTCGGT	CTACACTGCTT
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	109861	TGCGCCACCT	ACCGGATTCC	CCACGCCCCC	CGCCCCGACA	CCGTCAGCGC	TGCGTCCCTG
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10	109981	GC GGCCGGGT	TTCCGCTTTA	CGTGGAGCGC	CGTATTZCGG	CCGACGTCCG	CGAGACCAGT
	110041	GCGCTGGAGA	AGTTCATAAC	CCACGATCGC	AGTTGCCTGC	GCGTGTCCGA	CCGTGAATT
	110101	ATTACGTACA	TCTACCTGGC	CCATTGGAG	TGTTTCZAGCC	CCCCGCGCCT	AGCCACGCAT
	110161	CTTCGGGCCG	TGACGACCCA	CGACCCCAAC	CCCGCGGCCA	GCACGGAGCA	GCCCTCGCCC
	110221	CTGGGCAGGG	AGGCCGTGGA	ACAATTTTTT	TGTCACCGTGC	GCGCCCAACT	GAATATCGGG
15	110281	GAGTACGTCA	AACACAAACGT	GACCCCCCGG	GAGACCGTCC	TGGATGGCGA	TACGGCCAAG
	110341	GCCTACCTGC	GCGCTCGCAC	GTACCGGCC	GGGGCCCTGA	CGCCCGGCC	CGCGTATTGC
	110401	GGGGCGGTGG	ACTCCGCCAC	CAAATGATG	GGGCGTTTGG	CGGACGCCGA	AAAGCTCCTG
	110461	GTCCCCCGCG	GGTGGCCCGC	GTGGCGCC	GCCAGTCCCG	GGGAGGACAC	GGCAGGGCGGC
	110521	ACGCCGCC	CACAGACCTG	CGGAATTGTC	AAGGCCTCC	TGAGACTGGC	CGCCACGGAA
20	110581	CAGCAGGGCC	CCACACCCCC	GGCGATCGCG	GCGCTTATCC	GTAATGCGGC	GGTGCAGACT
	110641	CCCCTGCCCC	TCTACCGGAT	ATCCATGGTC	CCCACGGGAC	AGGCATTTGC	CGCGCTGGCC
	110701	TGGGACGACT	GGGCGCGAT	AACGCGGGAC	GCTCGCTGG	CCGAAGCGGT	CGTGTCCGCC
	110761	GAAGCGCGG	CGCACCCCCA	CCACGGCGCG	CTGGGCZAGGC	GGCTCACGGA	TCGCATCCGC
	110821	GCCCAAGGGCC	CCGTGATGCC	CCCTGGCGGC	CTGGATGCCG	GGGGGCAGAT	GTACGTGAAT
25	110881	CGCAACGAGA	TATTCAACGG	CGCGCTGGCA	ATCACAZACA	TCATCCTGGA	TCTCGACATC
	110941	GCCCTGAAGG	AGCCCGTCCC	CTTCGCGCCG	CTCCACCGAGG	CCCTGGGCCA	CTTTAGGCGC
	111001	GGGGCTCTGG	CTGCGGTTCA	GCTCTGTTT	CCCGCGGCC	GCGTGGACCC	CGACGCATAT
	111061	CCCTGTTATT	TTTTCAAAAG	CGCATGTCGG	CCCGGCC	CGTCCGTGGG	TTCCGGCAGC
	111121	GGACTCGGCA	ACGACGACGA	CGGGGACTGG	TTTCCCZIGCT	ACGACGACG	CGGTGATGAG
30	111181	GAGTGGCGG	AGGACCCGGG	CGCCATGGAC	ACATCCCACG	ATCCCCCGGA	CGACGAGGTT
	111241	GCCTACTTTG	ACCTGTGCCA	CGAAGTCGGC	CCCACGGCGG	AACCTCGGA	AACGGATTG
	111301	CCCGTGTGTT	CCTGCACCGA	CAAGATCGGA	CTGCGGZGTG	GCATGCCCGT	CCCCGCC
	111361	TACGTCGTCC	ACGGTTCTCT	AACGATGCGG	GGGGTGGCAC	GGGTCACTCA	GCAGGCGGTG
	111421	CTGTTGGACC	GAGATTTGTT	GGAGGCCATC	GGGAGCZTACG	AAAAAAACTT	CCTGTTGATC
35	111481	GATACGGGGG	TGTACGCCA	CGGCCACAGC	CTGCGCTTGC	CGTATTTG	CAAATCGCC
	111541	CCCGACGGGC	CTGCGTGC	AAAGGCTGCTG	CCAGTGTTTG	TGATCCCCC	CGCCTGCAA
	111601	GACGTTCCGG	CGTTTGTCGC	CGCGCACGCC	GACCCCGGG	GCTTCCATT	TCACGCCCG
	111661	CCCACCTATC	TCGCTTCCCC	CCGGGAGATC	CGTGTCC	ACAGCCTGGG	TGGGGACTAT
	111721	GTGAGCTTCT	TTGAAAGGAA	GGCGTCCC	AACGCGCTGG	AACACTTTG	GCGACGCGAG
40	111781	ACCCTGACGG	AGGTCCCTGGG	TCGGTACAAAC	GTACAGCCGG	ATGCGGGGGG	GACCGTCGAG
	111841	GGGTTCGCAT	CGGAACCTGCT	GGGGCGGATA	GTGCGCTGCA	TCGAAACCCA	CTTTCCCGAA
	111901	CACGCCGGCG	AATATCAGGC	CGTATCCGTC	CGGCGGZCCG	TCAGTAAGGA	CGACTGGGTC
	111961	CTCCTACAGC	TAGTCCCCGT	TCGCGGTACC	CTGCAGC	AAA	GCCTGTCGTG
	112021	AAGCACGGCC	GGCGAGTCG	CGCACCGGC	CGGACATTCG	TCGCGCTGAG	CGTGGGGGCC
45	112081	AAACACCGCC	TGTGCGTGT	CTTGTGTCAG	CAGTGCZTTG	CCGCCAAATG	CGACAGCAAC
	112141	CGCCTGCACA	CGCTGTTTAC	CATTGACGCC	GGCACGZCCAT	GCTGCCGTC	CGTTCCTG
	112201	AGCACCTCTC	AACCGTCGTC	TTGATAACGG	CGTACGZCC	CGTGTGTCGT	TGGTACACCG
	112261	TCTTCGGTGC	CAGTCCGCTG	CACCGATGTA	TTTACGZGGT	ACGCC	GGCACCAACA
	112321	ACGACACCGC	CCTCGTGTGG	ATGAAAATGA	ACCAGAC	CCCT	ATTGTTCTG
50	112381	CGCACCCCC	CAACGGGGC	TGGCGCAACC	ACGCCZATAT	CTGCTACGCC	AATCTTATCG
	112441	CGGGTAGGGT	CGTGCCTTC	CAGGTCCCAC	CTGACGZCCAT	GAATCGTGG	ATCATGAACG
	112501	TCCACGGAGC	AGTTAACGT	CTGGAGACCC	TATGGTZACAC	ACGGGTGCGT	CTGGTGGTC
	112561	TAGGGTGGTT	CCTGTATCTG	CGCTGCGTC	CCCTCCZACCA	ACGCCGATGT	ATGTTGGCG
	112621	TCGTGAGTCC	CGCCCACAAAG	ATGGTGGCC	CGGCCAC	CCTCTTGAAAC	TACGCAGGCC
55	112681	GCATCGTATC	GAGCGTGT	CTGCAGTACC	CCTACAGGAA	AATTACCGC	CTGCTCTGCG
	112741	AGCTGTCGGT	CCAGCGGCAA	AACTGGTTC	AGTTGTTTGA	GACGGACCCG	GTCACCTTCT
	112801	TGTACCAACG	CCCCGCCATC	GGGGTCATCG	TAGGCTGCGA	GTGATGCTA	CGCTTTGTGG
	112861	CCGTGGGTCT	CATCGTCGGC	ACCGCTTTCA	TATCCCZGGG	GGCATGTGCG	ATCACATACC
	112921	CCCTGTTCT	GACCATCACC	ACCTGGTGT	TTGTC	CCAC	CATCGGCC

	112981	ATTGTATTCT	GCGGCGGGGC	CCGGCCCCCA	AGAACG CAGA	CAAGGCCGCC	GCCCCGGGGC
5	113041	GATCCAAGGG	GCTGTCGGGC	GTCTGCGGGC	GCTGCT GTTC	CATCATCCTC	TCGGGCATCG
	113101	CAGTGC GATT	GTGTTATATC	GCCGTGGTGG	CCGGGG TGGT	GCTCGTGGCG	CTTC ACTACG
	113161	AGCAGGAGAT	CCAGAGGCCG	CTGTTGATG	TATGAC GTCA	CATCCAGGCC	GGCGGAAACC
10	113221	GTAACGGCAT	ATGCAAATTG	GAAACTGTCC	TGTCTT CGGG	CCCACCCACC	CGAC GCGTCA
	113281	TATGCAAATG	AAAATCGGTC	CCCCGAGGCC	ACGTGT ZAGC	TGGATCCCAA	CGAC CCCGCC
	113341	CATGGGTCCC	AATTGGCCGT	CCC GTTACCA	AGACCA ZACCC	AGCCAGCGTA	TCCACCCCCG
	113401	CCC GG GTCCC	CGCGGAAGCG	GAACGGGTA	TGTGAT ZATGC	TAATTAAATA	CATGCCACGT
15	113461	ACTTATGGTG	TCTGATTGGT	CCTTGTCTGT	GCCGGAGGTG	GGGCGGGGGC	CCC GCCC GGG
	113521	GGGCGGAACG	AGGAGGGTT	TGGGAGAGCC	GGCCCC CGCA	CCACGGGTAT	AAGGACATCC
	113581	ACCACCCGGC	CGGTGGTGGT	GTGCAGCCGT	GTTCCA ZACCA	CGGTACACGCT	TCGGTGCCCTC
	113641	TCCCCGATT	GGGCCCGGT	GCTCGCTACC	GGTGC GCCAC	CACCAGAGGC	CATATCCGAC
20	113701	ACCCCAGCCC	CGACGGCAGC	CGACAGCCCG	GTCATG CGCA	CTGACATTGA	TATGCTAATT
	113761	GACCTCGGCC	TGGACCTCTC	CGACAGCGAT	CTGGAC GAGG	ACCCCCCCC	GCCGGCGGAG
	113821	AGCCGCGCG	ACGACCTGGA	ATCGGACAGC	AGCGGG GAGT	GTTCTCGTC	GGACGAGGAC
	113881	ATGGAAGACC	CCCACGGAGA	GGACGGACCG	GAGCCG ZATAC	TCGACGCCGC	TCGCCCGGCG
25	113941	GTCCGCCCGT	CTCGTCCAGA	AGACCCCGGC	GTACCC ZAGCA	CCCAGACGCC	TCGTC CGACG
	114001	GAGCGGCAGG	GCCCCAACGA	TCCTCAACCA	GCGCCC CACA	GTGTGTGGTC	GCGCCTCGGG
	114061	GGCCGGCGAC	CGTCTTGCTC	CCCCGAGCAG	CACGGGGGCA	AGGTGGCCCG	CCTCCAACCC
30	114121	CCACCGACCA	AAGCCCAGCC	TGCCC CGCGC	GGACGC CGTG	GGCGT CGCAG	GGGTC GGGGT
	114181	CGCGGTGGTC	CCGGGGCTGC	CGATGGTTTG	TCGGAC CCCC	GCCGGCGTGC	CCCCAGAAC
	114241	AATCGCAACC	CTGGGGGACC	CCGCCCCGGG	GCGGGG TGG	CGGACGGCCC	CGGGCCCC
	114301	CATGGCGAGG	CGTGGCGCGG	CAGT GAGCAG	CCCGAC CCAC	CCGGAGGCCA	GCGGACACGG
35	114361	GGCGT GCGCC	AAGCACCCCC	CCC GCTAATG	ACGCTG CGCA	TTGCCCCCCC	GCCCGCGGAC
	114421	CCCCCGGCC	CGGCCCCCGA	GCGAAAGGCG	CCCGCC CGCG	ACACC ATCGA	CGCCACCACG
	114481	CGGTTGGTCC	TGCGCTCCAT	CTCCGAGCGC	GCGCGC CGTC	ACCGC ATCGA	CGAGAGCTTT
	114541	GGCGCGAGCG	CACAGGTCA	GCACGACCCC	TTTGGGGGGC	AGCCGTTTCC	CGCCGCGAAT
	114601	AGCCCCCTGG	CCCCGGTGT	GGC GGGCCAA	GGAGGG CCCT	TTGACGCCA	GACCAGACGG
40	114661	GTCTCCTGGG	AAACCTTGGT	CGCCACCGC	CCGAGC CTCT	ATCGCACTTT	TGCGGCAAT
	114721	CCTCGGGCCG	CATCGACCGC	CAAGGCCATG	CGCGAC TGCG	TGCTGCGCCA	AGAAA ATTTC
	114781	ATCGAGGC	TGGCCTCCGC	CGACGAGACG	CTGGCG TGGT	GCAAGATGTG	CATCC ACCAC
	114841	AACCTGCCG	TGCGCCCCCA	GGACCCCATT	ATCGGG ZACGA	CCGCGGCTGT	GCTGGATAAC
	114901	CTCGCCACGC	GCCTGCGGCC	CTTTCTCCAG	TGCTAC CTGA	AGGCGCGAGG	CCTGTGCGGC
45	114961	CTGGACGAAC	TGTGTTCGCG	GC GCGTCTG	GCGGAC ZATTA	AGGACATTG	ATCCTT CGTG
	115021	TTTGTCAATT	TGGCCAGGCT	CGCCAACCGC	GTCGAG CGTG	GGCGT CGCGA	GATCGACTAC
	115081	GCGACCC TTG	GTGTCGGGGT	CGGAGAGAAG	ATGCAT TTCT	ACCTCCCCGG	GGCCTGCA
	115141	CGGGGCCTGA	TCGAAATCCT	AGACACGAC	CGCCAG ZAGT	GTTCGAGTCG	TGTCTGCGAG
	115201	TTGACGGCCA	GTCACATCGT	CGCCCCCCCC	TACGTG CACG	GCAAATATT	TTATTGCAAC
	115261	TCCCTGTTTT	AGGTACAATA	AAAACAAAAC	ATTTCA ZACA	AATCGCCCT	CGTGTGTTG
50	115321	TTCTTGCTC	ATGGCCGGCG	GGGCGTGGGT	CACGGC ZAGAT	GGCGGGGGTG	GGCCCGGCGT
	115381	ACGGCCTGGG	TGGGCGGAGG	GAAC TAACCC	AACGTA TAAA	TCCGTC	TTCCAAGGCC
	115441	GGTGTCA TAG	TGCCCTTAGG	AGCTCCC	CCGGGC ZCAT	CCCCCCTTT	GCACTATGAC
	115501	AGCGACCCCC	CTCACCAACC	TGTTCTTACG	GGCCCC ZGGAC	ATAACCCACG	TGGCCCCCCC
55	115561	TTACTGCC	AACGCCACCT	GGCAGGCCGA	AACGGC CATG	CACACCAGCA	AAACGGACTC
	115621	CGCTTGC	GCCGTGCGGA	GTTACCTGGT	CCGCGC CTCC	TGTGAGACCA	GCGGCACAAT
	115681	CCACTGCTT	TTCTTGCGG	TATACAAGGA	CACCCA CCAC	ACCCCTCCGC	TGATTACCGA
	115741	GCTCCGCAAC	TTTGCGGACC	TGGTTAACCA	CCCGCC ZGGTC	CTACCGCAAC	TGGAGGATAA
	115801	GCGCGGGGTG	CGGCTGCGGT	GTGCGCGGCC	GTTTAG CGTC	GGGACGATTA	AGGACGTCTC
	115861	TGGGTCCGGC	GCGTCCTCGG	CGGGAGAGTA	CACGAT ZAAC	GGGATCGTG	ACCACTGCCA
55	115921	CTGTCGGTAT	CCGTTCTCAA	AAACATGCTG	GATGGG ZGGC	TCCGCGGCC	TACAGCACCT
	115981	GCGCTCCATC	AGCTCCAGCG	GCATGGCCGC	CCGCGC ZGGCA	GAGCATCGAC	GCGTC AAGAT
	116041	TAAAATTAAG	GCGTGATCTC	CAACCCCC	ATGAAT GTGT	GTAACCCCC	CCAAAAAAAT
	116101	AAAGAGCCGT	AACCCAAACCA	AACCAGGCC	GGTGTG ZAGTT	TGTGGACCCA	AAGCCCTCAG
	116161	AGACAAACGCG	ACAGGCCAGT	ATGGACCGTG	ATACTT TTAT	TTATTAACTC	ACAGGGCGC
	116221	TTACCGCCAC	AGGAATACCA	GAATAATGAC	CACCA ZAATC	GCGACCACCC	CAAATACAGC
	116281	ATGGCGCCAC	ACCACGCCAC	AACAGCCCTG	TCGCGC ZTAT	GGGGCATGAT	CAGACGAGCC
	116341	GCGCGCCGCG	CGTTGGGCC	TGTACAGCTC	GCGCGA ZATTG	ACCCTAGGAG	GCCGCCACGC
	116401	GCCCAGTTT	TGCGTTCGTC	GCTGGTCGTC	GGGCGC CAAA	GCCCCGGACG	GCTGTTCGGT
	116461	CGAACGAA	GCCACGACAG	TGGCATAGGT	TGGGGG ZGTG	TCCGACATAG	CCTCGCGCGTA

	116521	CGTCGGGAGG	CCCGACAAGA	GGTCCCTTGT	GATGTCGGGT	GGGGCCACAA	GCCTGGTTTC
	116581	CGGAAGAAC	AGGGGGGTTG	CCAATAACCC	GCCAGGGCCA	AAACTCCGGC	GCTGCGCACG
	116641	TCGTCGGCG	CGGCCCGGG	CGGCCGAGC	GGCTCCCTGG	CGGGCTTGGC	GTGAGCAGGC
5	116701	CCGCTCCGAC	GCCTCGCCCT	CTCCGGAGGA	GGTGGCGGA	ATTGGCACGG	ACAACAGGGG
	116761	CCCAGCAGAG	TACGGTGAG	GTGGGTCCGT	GGGGGTGTCC	AGATCAATAA	CGACAAACGG
	116821	CCCCTCGTTC	CTACCAGACA	AGCTATCGTA	GGGGGGCGGG	GGATCAGCAA	ACGCGTTCCC
	116881	CGCGCTCCAT	AAACCCCGGT	CGGGTTGCGC	CGCCTCCGAA	GCCATGGATG	CGCCCCAAAG
	116941	CCACGACTCC	CGCGCGCTAG	GTCCTGGGG	TAATGGAAAA	GGCCCTACTC	CCCATCCAAG
10	117001	CCAGCCAAGT	TAACGGGCTA	CGCCTCGGG	AATGGGACTG	GCACCCCCGGC	GGATTTGTT
	117061	GGGCTGGCAT	GCGTCGCCA	ACCGAGGGCC	GCGTCCACGG	GACGCGCCTT	TTATAACCCC
	117121	GGGGGTCATT	CCCAACGATC	ACATGCAATC	TAACTGGCTC	CCCTCTCCCC	CCCTCTCCCC
	117181	TCTCCCCCCC	TCTCCCCCTCT	CCCCCCCCCT	CCCCTCTCCC	CCCCTCTCCC	CTCTCCCCCC
	117241	CTCTCCCCCTC	TCCCCCCCCTC	TCCCCCTCTCC	CCCCCTCTCC	CCTCTCCCCC	CCTCTCCCCCT
15	117301	CTCCCCCCCC	CTCCCCCTCTC	CCCCCCCTCTC	CCCTCTCCCC	TCTGCTCTTT	CCCCGTGACA
	117361	CCCGACGCTG	GGGGCGTGGC	TGCCGGGAGG	GGCGCGGGAT	GGGCGGGCCT	ACTTGGTTTC
	117421	CCGCCCCCCC	CCCCCCCCCCC	CGAACCGCCC	CGCCGGCTTT	GCCCCCCTTT	GATCCCCCTGC
	117481	TACCCCCAAC	CCGTGCTGGT	GGTGCGGGTT	GGGGGGGGAT	GTGGGCGGGG	GTGCGCGGGA
	117541	GGTGTGGTG	GTGGTGGTGG	TGGTGGTAGT	AGGAATGGTG	GTGAGGGGGG	GGGGCGCTG
20	117601	GTTGGTCAAA	AAAGGGAGGG	ACGGGGGCCG	GCAGACCGAC	GGCGACAAACG	CTCCCCGGCG
	117661	GCCGGGTCGC	GGCTCTTACG	AGCGGCCCGG	CCCGCGCTCC	CACCCCCCGG	GCCGTGTCCT
	117721	TGCTTTCCCC	CCGTCTCCCC	CCCCCCCCGCC	TTCTCTCTCT	CCTCTCTCGTT	TTTCAAACCC
	117781	CCGCCCACCC	GGCCCGGGCC	GGCCCGGGCC	GGCCCGGGCC	CCGCCGCCCA	CCCACCCACC
	117841	TCGGGATACC	CAGCCCCGGT	CCCCCGTTCC	CCGGGGGCCG	TTATCTCCAG	CGCCCCGTCC
25	117901	GGCGCGCCGC	CCCCCGCCGC	TAAACCCCAT	CCCGCCCCCG	GGACCCCCACA	TATAAGCCCC
	117961	CAGCCACACG	CAAGAACAGA	CACCGAGAAC	GGCTGTGTTT	ATTAAATAA	ACCAATGTCG
	118021	GAATAAACAA	ACACAAACAC	CCCGCAGCGG	GGGACGGAGG	GGACGGAGGG	AGGGGGTGC
	118081	GGGGGACGGG	AAACAGACACA	AAAACAACCA	AAAAAAACAA	CCACCCACCG	ACACCCCCAC
	118141	CCCAGTCTCC	TCGCTTCTC	CCACCCACCC	CACGCCCGCA	CTGAGCCCCG	TCGATCGACG
30	118201	AGCACCCCCG	CCCACGCC	CGCCCCCTGCC	CCGGCGACCC	CCGGCCCGCA	CGATCCCAC
	118261	AACAATAACA	ACCCCAACGG	AAAGCGGGG	GGTGTGGGG	GAGGCGAGGA	ACAACCGAGG
	118321	GGAACGGGGG	ATGGAAGGAC	GGGAAGTGG	AGTCCTGATA	CCCATCCTAC	ACCCCCCTGC
	118381	CTTCCACCC	CCGGCCCCCC	GCGAGTCCAC	CCGCCGGCCG	GCTACCGAGA	CCGAACACGG
	118441	CGGCCGCCGC	AGCCGCCGCA	GCCGCCGCCG	ACACCGCAGA	GCCGGCGCGC	GCACTCACAA
35	118501	GCGGCAGAGG	CAGAAAGGCC	CAGAGTCATT	GTTTATGTGG	CCGCGGGCCA	GCAGACGGCC
	118561	CGCGACACCC	CCCCCCCCGCC	CGTGTGGGTA	TCCGGCCCCC	CGCCCCCGCGC	CGGTCCATT
	118621	AGGGCGCGCG	TGCCC CGAG	ATATCAATCC	GTAAAGTGT	CTGCAGACAG	GGGCACCGCG
	118681	CCC GGAAATC	CATTAGGCCG	CAGACGAGGA	AAATAAAATT	ACATCACCTA	CCCACGTGGT
	118741	GCTGTGGCCT	GTTTTGCTG	CGTCATCTCA	GCCTTTATAA	AAGCGGGGGC	GCGGCCGTGC
40	118801	CGATCGCGGG	TGGTGCAGAA	GACTTTCCGG	GCGCGTCCGG	GTGCCGCGGC	TCTCCGGGCC
	118861	CCCCCTGCAGC	CGGGCGGCC	AAAGGGCGTC	GGCGACATCC	TCCCCCTAAG	CGCCGGCCGG
	118921	CCGCTGGTCT	GTTTTTCTG	TTTCCCCCGTT	TCGGGGGTGG	GGGGGGTTGC	GGTTTCTGTT
	118981	TCTTTAACCC	GTCTGGGTG	TTTTTCGTT	CGTCGCCGG	ATGTTTCGTT	CGTCTGTCCC
	119041	CTCACGGGGC	GAAGGCCGCG	TACGCCCGG	GACGAGGGGC	CCCCGACCGC	GGCGGTCCGG
45	119101	GCCCCGTCCG	GACCCGCTCG	CCGGCACGCG	ACCGAAAAAA	GGCCCCCCCCGG	AGGCTTTTCC
	119161	GGGTTCCC	CCCCGGGCGCT	GAGATGAACA	CTCGGGGTTA	CCGCCAACGG	CCGGCCCCCG
	119221	TGGCGGCC	CCCCGGGCC	CCGGCGGACC	CAAGGGGCC	GGGCCCCGGG	CCCCACAAACG
	119281	GCCCCGGCGA	TGCGCTGTG	TTTTTTTTC	CTCGGTGTT	TGCCGGGCTC	CATCGCTTT
	119341	CCTGTTCTCG	CTTCTCCCCC	CCCCCTTCTT	CACCCCCAGT	ACCCCTCCTCC	CTCCCTTCCT
50	119401	CCCCCGTTAT	CCCACCTGTC	GAGGGCGCCC	CGGTGTGTT	CAACAAAGAC	GCCGCGTTTC
	119461	CAGGTAGGTT	AGACACCTG	TTCTCCCCAA	TAGAGGGGGG	GGACCCAAAC	GACAGGGGGC
	119521	GCCCCAGAGG	CTAAGGTCGG	CCACGCCACT	CGCGGGTGGG	CTCGGTGTTAC	AGCACACCG
	119581	CCC GTTCTTT	CCCCCCCCCTC	CCACCCCTTAG	TCAGACTCTG	TTACTTACCC	GTCCGACCAC
	119641	CAACTGCC	CTTATCTAAG	GGCCGGCTGG	AAGACCGCCA	GGGGGTGCGC	CGGTGTGCGT
55	119701	GTAACCCCCC	ACGCCAATGA	CCCACGTACT	CCAAGAAGGC	ATGTGTCCA	CCCCCGCTGT
	119761	GTTTTTGTC	CTGGCTCTCT	ATGCTTGGGT	CTTACTGCCT	GGGGGGGGGG	AGTGCGGGGG
	119821	AGGGGGGGT	TGGAAGGAAA	TGCAAGGCCG	GTGTGTACCC	CCCCTAAAGT	TGTTCTCTAAA
	119881	GCGAGGATAC	GGAGGAGTGG	CGGGTGCCTGG	GGGACCGGGG	TGATCTCTGG	CACGCGGGGG
	119941	TGGGAAGGGT	CGGGGGAGGG	GGGGATGGAG	TACCGGCCA	CCTGGCCGCG	CGGGTGCCTG
	120001	TGCCTTGCA	CACCAACCCC	ACGTCCCCCG	CGGGTCTCTA	AGAAGCACCG	CCCCCCCCCTCC

	120061	TTCATACCAAC	CGAGCATGCC	TGGGTGTGGG	TTGGTAACCA	ACACGCCAT	CCCCTCGTCT
	120121	CCTGTGATTTC	TCTGGCTGCA	CCGCATTCTT	GTTTTCTAAC	TATGTTCTG	TTTCTGTCTC
5	120181	CCCCCCCCCCC	ACCCCTCCGC	CCCACCCCCC	AACACCCACG	TCTGTGGTGT	GGCCGACC
	120241	CTTTGGGCG	CCCCGTCCCC	CCCCGCCACC	CCTCCCATCC	TTTGTGCCC	TATAGTGTAG
	120301	TTAACCCCCC	CCGCCCTTG	TGGGGGCCAG	AGGCCAGGTC	AGTCCGGGCG	GGCAGGCC
	120361	CGCGGAAACT	TAACACCCAC	ACCCAACCCA	CTGTGGTTCT	GGCTCCATGC	CAGTGGCAGG
10	120421	ATGCTTTCGG	GGATCGGTGG	TCAGGCAGCC	CGGGCCCGGG	CTCTGTGGTT	AACACCAGAG
	120481	CCTGCCAAC	ATGGCACCCC	CACTCCCACG	CACCCCCACT	CCCACGCACC	CCCACCTCC
	120541	CGCACCCCCA	CTCCCACGCA	CCCCCACTCC	CACGCACCCC	CACTCCCACG	CACCCCCACT
15	120601	CCCACGCACC	CCCACCTCCC	CGCACCCCCA	CTCCCACGCA	TCCCCGCGAT	ACATCCAA
	120661	CAGACAGGGA	AAAGATACAA	AAGTAAACCT	TTATTTCCA	ACAGACAGCA	AAAATCCCCT
	120721	GAGTTTTTTT	TTATTAGGGC	CAACACAAAA	GACCCGCTGG	TGTGTGGTGC	CCGTGTCITT
	120781	CACTTTCCC	CTCCCCGACA	CGGATTGGCT	GGTGTAGTGG	GGCGGGCCAG	AGACCACCA
20	120841	GCGCCCGACC	CCCCCCTCCC	CACAAACACG	GGGGGCGTCC	CTTATTGTTT	TCCCTCGTCC
	120901	CGGGTCGACG	CCCCCTGCTC	CCCGGACCAC	GGGTGCCGAG	ACCGCAGGCT	GCGGAAGTCC
	120961	AGGGCGCCCA	CTAGGGTGCC	CTGGTCGAAC	AGCATGTTCC	CCACGGGGGT	CATCCAGAGG
	121021	CTGTTCCACT	CCGACGCGGG	GGCCGTCGGG	TACTCGGGGG	GCATCACGTG	GTTACCCCG
	121081	GTCTGGGGA	GCAGGGTGC	GGGGCTCCAG	CCGGGGACCG	CGGCCCGCAG	CCGGGTGCC
25	121141	ATGTTCCC	TCTGGTCCAC	CAGGACCACG	TACGCCCCGA	TGTTCCCCGT	CTCCATGTC
	121201	AGGATGGGCA	GCGAGTCCCC	CGTGATAGTC	TTGTTCACGT	AAGGCGACAG	GGCGACCA
	121261	CTAGAGACCC	CCGAGATGGG	CAGGTAGCGC	GTGAGGCCGC	CCGCGGGGAC	GGCCCCGGAA
	121321	GTCTCCGCGT	GGCGCGTCTT	CCGGGCACAC	TTCCCTGGCC	CCCGCGGCC	AGAAGCAGCG
	121381	CGGGGGCGA	GGGAGGTTTC	CTCTTGTCTC	CCTCCCAGGG	CACCGACGGC	CCCGCCCCAG
30	121441	GAGGCGGAAG	CGGAGGAGGA	CGCGCCCCG	GCAGCGGAAG	AGGCGGCC	CGCGGGGGTC
	121501	GGGGCCGAGG	AGGAAGAGGC	AGAGGAGGAA	GAGGCGGAGG	CCGCGAGGA	CGTCAGGGGG
	121561	GTCCCCGGGC	CACCCCTGGCC	GCGCCCCCCC	GGCCCTGAGT	CGAGGGGGGG	GTGCGTCGCC
	121621	GCCCTTTGG	CCCCTGCC	CGCGAGGGGG	GGACGCGTGG	ACTGGGGGGA	GGGGTTTTC
	121681	TGGCCCGACC	CGCGCCTCTT	CCTCGGACGC	ACCGCCGCCT	CCTGCTCGAC	AGAGGCGCG
35	121741	GAGGGGAGCG	GGGCGCGGCC	GGAGGGGGCG	GCAGCGCGGG	AGGGCCCGTG	CCCACCTTC
	121801	ACGCCCCGGC	CCCCCGAGCC	GCGGCCACC	GTCGCACGCG	CCCGGCACAG	ACTCTGTT
	121861	TGGTTCGCGG	CCTGAGCCAG	GGACGAGTGC	GACTGGGCA	CACGGCGCGC	GTCCGCGGG
	121921	CGGGCGGCCG	GCTCCGCC	GGGGCCCGGG	GCAGCGGGG	CGGGCCCCGG	AGGCGGCC
	121981	CGCACCGACG	GGGCCACGGC	CGCGCGGGGG	CGCGCGGGTC	CCGACGCGGC	CGCGGACCG
40	122041	GGGGGCCCGG	GGCGGGGGGC	GGAGCCTGGC	ATGGGCGCCG	CGGGGGGC	GTGGGGAGAG
	122101	GCCGGGGGGG	AGTCGCTGAT	CACTATGGGG	TCTCTGTTGT	TTGCAAGGG	GGCGGGTCTG
	122161	TTGACAAGGG	GGCCCCTCG	GCCCCCTCGGC	CGCCCCGCCT	CCGCTTCAAC	AACCCCA
	122221	CCAACCCCAA	CCCCCCCCGGA	GGGGCCAGAC	GCCCCCGCG	GGCCCGCGGC	TCGCGACTGG
	122281	CGGGAGCCGC	CGCCGCCGCT	GCTGTTGGTG	GTGGTGTGTTG	TGTTACTGCT	GCGGTGCGC
45	122341	CCGATGGGCG	CCGAGGGGGG	CGCTGTCCGA	GCCGCGGCCG	GCTGGGGGGC	TGCGTGA
	122401	GCCCCCGCCG	TCACGGGGGG	CGCGCGGGCG	CCTCTCGGTG	GGGGGGCGCG	GGCGTCCGG
	122461	CGGGGGCGG	GCGGTACGTA	GTCTGCTGCA	AGAGACAACG	GGGGCGCGA	TCAGGTTACG
	122521	CCCCCTCCCC	GGCCCGCCCT	TTCCTCGCCC	GCCCCCTAT	TCCCTCCCTCC	CCCCCCCCTC
	122581	TCCTCCCTC	CCCCCAGGGT	CCTTGGCCGC	CCCCGCTCA	CCGTCGTCCA	GGTCGTGTC
50	122641	ATCCTCGTCC	GTGGTGGGCT	CCGGGTGGGT	GGGCGACAGG	GCCCTCACCG	TGTCCCCCCC
	122701	CAGGGTCAGG	TACCGCGGGG	CGAACCGCTG	ATTGCCCCTC	CAGATAAAGT	CCACGGCCGT
	122761	GCCCGCCCTG	ACGGCCTCCT	CGGCCCTCCAT	CGGGGCTCTGG	GGGTCGTTCA	CGATCGGGAT
	122821	GGTGCTGAAC	GACCGCGTGG	GCGTCACGCC	CACTATCAGG	TACACCAGCT	TGGCGTTGCA
	122881	CAGCGGGCAG	GTGTTGCGCA	ATTGCATCCA	GGTTTTCATG	CACGGGATGC	AGAAGCGGTG
	122941	CATGCACGGG	AAGGTGTGCG	AGCGCAGGTG	GGGCGCGATC	TCATCCCGTGC	ACACGGCC
55	123001	CACGTCGCC	TCGTCGCTC	CCCCGTCTC	TCGAGGGGGG	GCGCCCCCGC	AACTGCC
	123061	GTCTCCTCG	GGGGGGGGG	TCCCCCCC	GACCGCCCCC	CCATCCACGC	CCTCGGGCCC
	123121	CAGCAGCCCC	GTCTCGAAC	GTTCCGTGTC	CGTGTGTC	GCCTCGGAGG	CGGAGTGT
	123181	GTCATGGTGG	TCGGCGTCCC	CCCCCCCC	CACTTCGGTC	TCCGCTCAG	AGTCGCTGCT
	123241	GTCCGGCAGG	TCTCGGTGCG	AGGGAAACAC	CCAGACATCC	GGGGCGGGCT	AAGGGAA
	123301	AAGGGGGCG	GTAAAGAATG	GGGGGGGATT	TCCCGCGTCA	ATCAGCACCC	ACGAGTTCCC
	123361	CCTCTCCCCC	CCCCGCCCTCA	CAAAGTCCTG	CCCCCTGCT	GGCCTCGGAA	GAGGGGGAG
	123421	AAAGGGGTCT	GCAACCAAAG	GTGGTCTGGG	TCCGTCTTT	GGATCCCGAC	CCCTCTTCTT
	123481	CCCTCTTCTC	CCGCCCTCCA	GACGCACCGG	AGTCGGGGGT	CCACGGCGT	CCCCCAAATA
	123541	TGGCGGGCGG	CTCCTCCCCA	CCCCCCTAGA	TGCGTGTGAG	TAAGGGGGC	CTGCGTATG

	123601	GTCAGTGGGG	ACCACGCC	CAACACGGCG	ACCCCGGTCC	TTGTGTGTT	GTTGTGGGG
	123661	CGTGTCTCTG	TGTATGAGTC	AGGGGGTCCC	ACGGCGACCC	CGGGCCCTGC	GTCTGAGTCA
5	123721	AAGGGGCCAT	GTGTATGTGT	TGGGGGTCTG	TATATATAAA	GTCAGGGGGT	CACATGGCGA
	123781	CCCCAACAG	GGCGACCCC	GTCCCTGTAT	ATATAGGGTC	AGGGGGTTCC	GCACCCCTA
	123841	ACATGGCGCC	CCCGGTCCCT	GTATATATAG	TGTACGGGG	TTCCACGCC	CCTAACATGG
	123901	CGCCCCAAC	TGGCGCCCGG	CTCCCGTGT	TGAGTGGGG	TCCCCAAC	TGGCGGCCGG
10	123961	TTCCAGTGT	AGGGTCGGGG	GTCCCCAAC	ATGGCGCCCC	CCAATATGGC	GCCCCCAAAT
	124021	ATGGCGCCC	AGACATGGCG	CCCAGCCCC	CACCTCGCG	TGGGGCGGC	CCTCAGGCCG
	124081	GCGGGTACTC	GCTCCGGGG	GGGGCTCCAT	GGGGGTCGT	TGCGGCTGGA	GGGTCGCCGA
15	124141	CGGAGGGTCC	CTGGGGTCTG	CAACGTAGGC	GGGGCTTCTG	TGGTGATGCG	GAGAGGGGGC
	124201	GGCCCGAGTC	TGCCTGGCTG	CTGCGTCTCG	CTCCGAGTGC	CGAGGTGCAA	ATGCGACCAG
	124261	ACTGTCGGGC	CAGGGCTAAC	TTATACCCCA	CGCCTTCCC	CTCCCCAAAG	GGCGGCCAGT
	124321	GACGATTCCC	CCAATGGCCG	CGCGTCCCAG	GGGAGGCAGG	CCCACCGCGG	GGCGGCCCGG
	124381	TCCCCGGGG	CCAACCCGG	GCCCCCAAAG	AATATCATTA	GCATGCACGG	CCCCGCCCGG
20	124441	GATTTGGGG	CCCAACCCGG	TGTCCCCAA	AGAACCCCAT	TAGCATGCC	CTCCCGCCGA
	124501	CGCAACAGGG	GCTTGGCTG	CGTCGGTGCC	CCGGGGCTTC	CCGCCTTCCC	GAAGAAACTC
	124561	ATTACCATAC	CCGGAACCCC	AGGGGACCAA	TGCGGGTTCA	TGAGCGACC	CGCGGGCCAA
	124621	TGCGCGAGGG	GCCGTGTGTT	CCGCCAAAAAA	AGCAATTAGC	ATAACCCGGA	ACCCCAGGGG
	124681	AGTGGTTACG	CGCGGCGCGG	GAGGCGGGGA	ATACGGGGT	TGCCCATTAA	GGGCCGCGGG
25	124741	AATTGCCGGA	AGCGGGAAAGG	GGGGCCGGGG	CGGCCATTAA	ATGAGTTCT	AATTACCAT
	124801	CCGGGAAGCG	GAACAAGGCC	TCTTGAAGT	TTTTAATTAC	CATACGGGA	AGTGGGCCGG
	124861	CCGGCCCAT	GGGCGGTAA	TCCCGCCAA	TGGGCGGGC	CCCAGAAGACT	CGCGGGACGC
	124921	TGGTTGGCCG	GGCCCCGCCG	CGCTGGCGGC	CGCCGATTGG	CCAGTCCCGC	CCCCGAGGCG
	124981	GCCCCCCCTG	TGAGGGCGGG	CTGGCTCAA	GCGTATATAT	GCGCGCTCC	TGCCATCGTC
30	125041	TCTCCGGAGA	GCGGCTTGGT	GCGGAGCTCC	CGGGAGCTCC	GCGGAAGACC	CAGGCCGCCT
	125101	CGGGGTGTAAC	GTTAGACCGA	GTTCGCGGGG	CCGGCTCCGC	GGGCCAGGGC	CGGGGCACGG
	125161	GCCTCGGGCC	CCAGGCACGG	CCCGATGACC	GCCTCGGCCT	CGGCCACCCG	GCGCCGGAAC
	125221	CGAGCCCGGT	CGGGCCGCTC	CGGGGCCAAC	GAGCCGCGGC	GCGCCAGGGC	GGCGGCCGAG
	125281	GCCCCAGACCA	CCAGGTGGCG	CACCCGGACG	TGGGGCGAGA	AGCGCACCCG	CGCGGGGGTC
35	125341	GCAGGGGTCG	CGGGGGTCG	GGGGGTCGCG	GGGGTCGCG	GGGGCTCCCG	CGCCCCCTCC
	125401	CCGCCCAGCG	GTCGCAGGCG	CAGGCGCGCC	AGGTGCTCCG	CGGTGACCGC	CAGGCGGAGG
	125461	GCGAGGCGCG	GCGGAAGGCG	GAAGGGGCGC	GAGGGGGGGT	GGGAGGGGTC	AGCCCCGCCC
	125521	CCCAGGGCCA	CGCCGGGGCG	TGGGGGCCGG	GGCCGGGGGG	CGGCGGCGGT	GGGCCGGGCC
	125581	TCTGGCGCCG	GCTCGGGCGG	GGGGCTGTCC	GGCCAGTCGT	CGTCATCGTC	GTCGTCGGAC
40	125641	GCGGACTCGG	GAACGTGGAG	CCACTGGCGC	AGCAGCAGCG	AACAAGAAGG	CGGGGGCCCA
	125701	CGGGCGGGGG	GGGGCGGGCG	GGCGGCCGCG	GGCGCGCTCC	TGACCGCGGG	TTCCGAGTTG
	125761	GGCGTGGAGG	TTACCTGGGA	CTGTGCGGTT	GGGACGGCGC	CGGTGGGCC	GGCGGCCCGG
	125821	GGGGCGGGGG	GGCCGCGATG	GGGGCGGGCG	GGGGCCATGG	AGACAGAGAG	CGTGCAGGGG
	125881	TGGTAGAGTT	TGACAGGCAA	GCATGTGCGT	GCAGAGGCGA	GTAGTGCTTG	CCTGTCTAAC
45	125941	TCGCTAGTCT	CGGCCGCGGG	GGGCCCGGGG	TGCCCCGCC	CACCGCTTTA	AAGGGCCGCG
	126001	CGCGACCCCC	GGGGGGTGTG	TTTTGGGGG	GGCCCGTTT	CGGCGTCTGG	CCGCTCCTCC
	126061	CCCCCGCTCT	CCCCCCCCTC	CTCCCCCCC	TCCTCCCCCC	GCTCCTCCCC	CCGCTCCTCC
	126121	CCCCCGCTCT	CCCCCCCCTC	CTCCCCCCC	TCCTCCCCCC	GCTCCTCCCC	CCGCTCCTCC
	126181	CCCCCGCTCT	CCCCCCCCTC	CTCCCCCCC	TCCTCCCCCC	GCTCCTCCCC	CCGCTCCTCC
50	126241	CCCCCGCTCT	CCCCCCCCTC	CTCCCCCCC	TCCCGGGCC	CGCCCCCCCC	CGCCCGGCCG
	126301	GCGCGCGCAC	GCCGCCCCGA	CCGCGCCCG	CCTTTTTG	GCGCGCGCGC	GCCCGCGGGG
	126361	GGCCCCGGCT	GCCACAGGTG	AAACCAACAG	AGCACGGCGC	ACTCCGACAG	TCACACGTCA
	126421	CGTCATCCAC	CACACCTGCC	CAACAAACACA	ACTCACAGCG	ACAACCTCAC	GCGCAACAAAC
	126481	TCCCTGTTCT	CATCCACACG	TCACCGCGCA	CCTCCCGCTC	CTCCAGACGT	ACCCCGCGC
55	126541	AACACACCGC	TCCTGCTACA	CACCAACGCC	CCCTCCCCAG	CCCCAGCCCT	CCCCAGCCCC
	126601	AGCCCTCCCC	GGCCCCAGCC	CTCCCCGGCC	CCAGCCCTCC	CCGGCCCCAG	CCCTCCCCGG
	126661	CCCCAGCCCT	CCCCGGCCCC	AGCCCTCCCC	GGCCCCAGCC	CTCCCCGGCG	CGTCCCGCGC
	126721	TCCCTCGGGG	GGGTTCGGGC	ATCTCTACCT	CAGTGGCGCC	AATCTCAGGT	CAGAGATCCA
	126781	AACCCCTCCGG	GGGCGCCCGC	GCACACCAC	CGCCCCCTCG	CCCCCTCCCG	CCCTCGCCCC
	126841	CTCCCGCCCC	TCGCCCCCTC	CCGCCCCCTCG	CCCCCTCCCG	CCCCCTCGCC	CCTCCCGCCCC
	126901	CTCGCCCCCT	CCCGCCCCCTC	GGCCCCCTCC	GCCCCCTCGCC	CCCTCCCCGG	CCTCGCCCC
	126961	TCCCGCCCCCT	CGCCCCCTCC	CGCCCCCTCGC	CCCTCCCCGC	CCCTCGCCCC	CTCCCGCCCC
	127021	TCGCCCCCTC	CCGCCCCCTCG	CCCCCTCCCG	CCCCCTCGCC	CCTCCCGCCC	CTCGCCCCCT
	127081	CCCGCCCCCTC	GGCCCCCTCCC	GGCCCCCTCGCC	CCCTCCCCGCC	CCTCGCCCC	TCCCGCCCCCT

	127141	CGAATAAACAA	ACGCTACTGC	AAAACTTAAT	CAGGTTGTTG	CCGTTTATTG	CGTCTTCGGG
	127201	TCTCACAAAGC	GCCCCGCC	GTCCCAGGCC	GTTACAGCAC	CCCGTCCCCC	TCGAACGCGC
5	127261	CGCCGTCGTC	TTCGTCAG	GCGCTTCCC	AGTCCACAAC	TTCCCGCCG	GGGGCGTGG
	127321	CCAAGCCCAGC	CTCCGCCCC	AGCACCTCCA	CGGCCCCCGC	CGCCGCCAGC	ACGGTGCCGC
	127381	TGCGGCCCGT	GGCGAGGCC	CAGCGAATCC	CGGGCGGCC	CGCGGCCAGG	GCCCCCGGGC
	127441	CGTCGTCGTC	GCCGCGCAGC	ACCAGCGGGG	GGCGTCGTC	GTCGGGCTCC	AGCAGGGCGC
	127501	GGGCGCAAAA	GTCCTCCCG	GGCCCGCGCC	ACCGGGCCGG	GCCGGCGCGC	ACCGCCCTCGC
	127561	GCCCCAGCGC	CACGTACACG	GGCCGAGCG	GCGCGCCAG	GCCCAGCGC	GCGCAGGCGG
10	127621	CGTGCAGTGT	GGCCTCTCC	TCGAGAAGT	CCGGCGCGC	GGCGCCATG	GCGTCGGTGG
	127681	TCCCCGAGGC	CGCGGCCCG	CCGTCAGCG	CCGGCAGCAC	GGCCCGGCCG	TACTCGCGC
	127741	GGGACATGGG	CACCGGGCGT	TCCGGGCCGA	AGCGCGTGC	CACGCGTAG	CGCACGTTGC
	127801	CGCCGCGGCA	CAGGCGCAGC	GGCGCGCGT	CGGGGTACAG	GCGCGCTG	GCGGCCTCCA
	127861	CGCGCGCGAA	GACCCCCGGG	CCGAACACGC	GGCCCGAGGC	CAGCACCGTG	CGGCGCAGGT
15	127921	CCCGCGCCGC	CGGCCAGCGC	ACGGCGCACT	GCACGGCGG	CAGCAGCTCG	CACGCCAGGT
	127981	AGGCGTGTG	CCGCGACACC	GCGGGCCCGT	CGGCGGGCCA	GTCGAGGCCG	CGCACGGTGT
	128041	TGACCAACGAT	GAGCCGCCGG	TCGCCGGCGC	TGGCGAGCAG	CCCCAGAAC	TCCACGGCCC
	128101	CGGCGAAGGC	CAGGTCCCGC	GTGGACAGCA	GCAGCACGCC	CTGTGCGCCC	AGCGCCGACA
	128161	CGTCGGGGGC	GCCGGTCCAA	TTGCCCGCCC	AGGCGGCCGT	GTCCGGCCCG	CACAGCCGGT
20	128221	TGGCCAGGGC	CGCCAGCAGG	CAGGACAGCC	CGCCGCGCTC	GGCGGACCAC	TCCGGCGGCC
	128281	CCCCCGAGGC	CCCGCCGCCG	GCCAGGTCTC	CGCCCCGGCAG	CGCGAGTAC	AGCACCCACCA
	128341	CGCGCACGTC	CTCGGGGTG	GGGATCTGGC	GCATCCAGGC	CGCCATGCGG	CGCAGGGGGC
	128401	CCGAGGCGCG	CAGGGGGCCA	AAGAGGCGGC	CCCCGGCGGC	CCCGTGGGGG	TGGGGGTTAT
	128461	CGTCGTCGTC	GCGGCCGCCG	CACCGGGCCT	GGGCGGGCGG	GGCGGGCCCG	GCGCACCGCG
25	128521	CGGCGATCGA	GGCCAGGGCC	CGCGGGTCAA	ACATGAGGGC	CGGTGCGCCAG	GGGACGGGGA
	128581	ACAGCGGGTG	GTCCGTGAGC	TCGGCCACGG	CGCGCGGGGA	CCAGTAGGCC	TCCAGGGCGG
	128641	CGGCCGCGGG	CGCCGCCGTG	TGGCTGGGCC	CCGGGGGCTG	CCGCGGCCAG	CCGCCAGGG
	128701	GGTCGGGGCC	CTCGGCGGGC	CGGCGCGACA	CGGCCACGGG	CGCGGGCGG	GCCTCGCGCC
	128761	CGGCGGGCCCG	GGGCGCCGCG	GGCTGGGCGG	GGGCGGGCTC	GGGCCCCCGG	GGCGTGGAGG
30	128821	GGGGCGCGGG	CGCGGGGAGG	GGGGCGCGGG	CGTCCGAGCC	GGGGCGCTCC	GCGCGCTCT
	128881	TCTTCGTT	CGGGGGTCG	GGGCCGCCG	CTCCGGGCGG	CCGGGCGGG	CCGGGACTCT
	128941	TGCGCTTGCG	CCCCTCCCGC	GGCGCGCGG	AGGCGCGGCC	GGCCGCCAGC	GCGTCGGCGG
	129001	CGTCCGGTGC	GCTGGCCGCC	GCGGCCAGCA	GGGGCGCGAG	GCTCTGGTTG	TCAAACAGCA
	129061	GGTCCCGCGC	GGCGGCGGCC	GC GGAGCTCG	GCAGGCGCGG	GTCCCGCGGC	AGCGCGGGGC
35	129121	CCAGGGCCCC	GGCGACCAGG	CTCACGGCGC	GCACGGCGGC	CACGGCGGCC	TCGCTGCCG
	129181	CGGCCACGCG	CAGGTCCCCG	CGCAGGCGCA	TGAGCACCAG	CGCGTCGCGC	ACGAACCGCA
	129241	GCTCGCGCAG	CCACGCGCGC	AGGCGGGGCG	CGTCGGCGTG	CGGCGCGGCC	GGGAAAGCGG
	129301	GGCCCGCGGG	TCCCTCCGGC	CGCGGGGGGC	TGGCGGGCG	GGCCCCGGCC	AGCCCCGGGA
	129361	CGGCCGCCAG	GTCGCCGTG	AAGCCCTCGG	CCAGCGCCTC	CAGGATCCCG	CGGCAGGCGG
40	129421	CCAGGCACTC	GACGGCACG	CGGCCGGCCT	GGGCGCGGCC	CCCGCGCTCG	TCGTCGGCGT
	129481	CGGCGTGGCG	GGCGCGCTG	GGGTGCGTCG	CCCCCGCGGG	GGAGGCGGGC	GCGGCGGACA
	129541	GCCGCCCCAG	GGCGCGAGG	ATCCCCCGG	CGCCGTACCC	GGCGGGCAC	GCGCGCTCG
	129601	CGGGTGCAGC	GGCGCGCACG	GCGGCGACCC	CCTCGTCATC	TGCGCCGGCG	CGGGGGCTCC
	129661	CCGCGGGCCCC	CGTCAGCGCC	GGGTTCTCGC	GCGCCAACAG	GGGCGCGTAG	GCGCGGCGCA
45	129721	GGCTGGTCAG	CAGGAAGCCC	TTCTGCGCGC	GGTCGTATCG	GGGGCTCATG	GCCACGGCGG
	129781	CCGCCCGCGT	CGCCAGGGCC	CAGCGAAGC	GGCGGCCCGC	CATGGCGTAG	CCCAGGTGGG
	129841	GCACGGCCCG	CGCCACGCTG	CGGGTGATGA	AGGAGCTGCT	GTTGCGCGCG	GCGCCCGAGA
	129901	TCCCGAAGCA	GGCCTGGTCC	AGCGCCACGT	CCCCGGGGAC	CACGCGCGGG	TTCTGGAGCC
	129961	ACCCCATGGC	CTCCGCGTCC	GGGGTGTACA	GCAGCGCGT	GATCAGGGCG	TACTGCTGCG
50	130021	CGGCGTCGCC	CAGCTCGGGC	GCCCACACGG	CGGCCGGGGC	GCCCAGGGCC	TGAAACCGGGC
	130081	GTCGCGCTC	CTCCGCTCG	GGCGCCCCCC	AGAGGCCCG	GGGGCTGTG	CCCAGGCCG
	130141	CGTACAGCAC	CCGCCCCCGG	GGCGGGGGCC	CGGCGCCGGG	CCACGGCTCC	CCGCTGACGT
	130201	ACCCGTGCG	ATAGCGCGC	TAGAAGGCCG	CGGAGGTG	GTCGGCGTCC	AGCTCGACCC
	130261	GCCGGGGCTG	CCC GGCGCGT	AAGCGGCCCG	TGGCGTCGCG	GGCGGCCACC	GCCGCGCGGG
55	130321	CCCGCGGGCG	CTCGATGCGG	CCCGCGGAGG	CGCGGGGGGT	CCTCGCCGCC	GCCCCGGGGCT
	130381	TGGGCGCGGC	CTCGGAGAGG	GGGGGTGGCC	CGGGCGGGGG	CGGCGTCCGC	CGGGGGGCTG
	130441	CCGGCGCCGC	GCTCGACGGA	CCCCGCCGA	CGGCCGCCGC	CTCGCGTGCG	TGGTCGGCCG
	130501	CGTCGTTGCG	GTCGTCGTCC	TGCGCTCTCGT	CGGACGACGA	GGACGAAGAG	GATGCGGACG
	130561	ACGAGGACGA	GGACCCGGAG	TCCGACGAGG	TCGATGACGC	CGATGGCCGC	CACCGGCCGT
	130621	GACGACGTCT	CCGCGGCCG	TGGGCCGGCG	GGCGCGGCCGA	CAGGCGGTCC	GTGGGGTCCG

	130681	GATACGCGCC	GCGTAGCGGG	GCCTCCC GTT	CGCGGCCCG	GGCCGGGGCC	CGGT CGCCGG
	130741	CGGCGTCGGC	TGCGTCGTC	TACTCGTCCC	CGTCATCGTC	GTCGGCTCGA	AAGGCGGGGG
	130801	TCCGGGGCGG	CGAGGCCGCG	GGGT CGGGCG	TCGGGATCGT	CCGGACGGCC	TCCTCTACCA
	130861	TGGAGGCCAG	CAGAGCCAGC	TGTCGCGGCG	AGACGGCGTC	CCC GGCGTCC	TCGCCGGCGT
5	130921	CGGTGCCCGC	CGCGGGGCC	CTCCC GTCCC	GCCGGCGTC	GTCGAGGT CG	TGGGGTG GGT
	130981	CGGGGTCG TG	GTCGGGGTCG	TCCCCGCCCT	CCTCCGTCTC	CGCGCCCCAC	CCGAGGGGCC
	131041	CCCGCTCGTC	GCGGTCTGGG	CTCGGGGTGG	GCGGCGGCC	GTCGGTGGGG	CCC GGGGAGC
	131101	CGGGGCGCTG	CTTGTCTCC	GACGCCATCG	CCGATGCGGG	GCGATCCTCC	GGGGATAACGG
10	131161	CTGCGACGGC	GGACGTAGCA	CGGTAGGTCA	CCTACGGACT	CTCGATGGGG	GGAGGGGGCG
	131221	AGACCCACGG	ACCCCGACGA	CCCCCGCCGT	CGACGCGGA	CTAGCGCGGA	CCGGTCGATG
	131281	CTTGGGTGGG	AAAAAGGACA	GGGACGGCCG	ATCCCCCTCC	CGCGCTTCGT	CCGCGTATCG
	131341	GCGTCCCGGC	GGGGCGAGCG	TCTGACGGTC	TGTCTCTGGC	GTCGGCGCGT	CGGGTCGTGG
	131401	ATCCGTGTCG	GCAGCCGCGC	TCCGTGTGGA	CGATCGGGC	GTCCTCGGGC	TCATATAGTC
15	131461	CCAGGGGCCG	GGGGGAAGGA	GGAGCAGCGG	AGGCCGCCG	CCCCCGCC	CCCCGGCGGG
	131521	CCCACCCCGA	ACGGAATTCC	ATTATGCACG	ACCCCGCCCC	GACGCCGGA	CGCCGGGGGC
	131581	CCGTGGCCGC	GGCCCGTTGG	TGAAACCCCC	GGCCCCGCC	ATCCGCGCCA	TCTGCCATGG
	131641	GCGGGGCGCG	AGGGCGGGTG	GGTCCCGGCC	CCGCCCCGCA	TGGCATCTCA	TTACCGCCCG
	131701	ATCCGGCGGT	TTCCGCTCC	GTTCGCGATG	CTAACGAGGA	ACGGGCAGGG	GGC GGGGCC
	131761	GGGCCCGGAC	TTCCCGGTTG	GGGGTAATG	AGATACGAGC	CCC GCGGCC	CGTTGGCGT
20	131821	CCCCGGGCC	CCCGGTCCCG	CCCGCCGGAC	GCCGGGACCA	ACGGGACGGC	GGGGGGCCCA
	131881	AGGGCCGCC	GCCTTGC CGC	CCCCCCATTG	GCCGGCGGGC	GGGACCGCCC	CAAGGGGGCG
	131941	GGGCCGCCG	GTAAAAGAAG	TGAGAACGCG	AAGC GTTCG	ACTTCGTCCC	AATATATATA
	132001	TATTATTAGG	GCGAAGTGC	AGCACTGGCG	CCGTGCCCGA	CTCCGCGCC	GCCCCGGGG
	132061	CGGGCCCGGG	CGGGGGGGG	CGGGTCTCTC	CGGCCGACAT	AAAGGCCCGG	CGCGACCGAC
25	132121	GCCCGCAGAC	GGCGCCGCC	ACGAACGACG	GGAGCGGCTG	CGGAGCACGC	GGACCGGGAG
	132181	CGGGAGTCG	AGAGGGCGT	CGGAGCGGAC	GGCGT CCGCA	TCGCGACGCC	CCGGCTCGGG
	132241	ATC GGGATCG	CATCGGAAAG	GGACACCGG	ACGCGGGGGG	GAAAGACCCG	CCCACCCAC
	132301	CCACGAAACA	CAGGGGACGC	ACCCCGGGGG	CCTCCGACGA	CAGAAACCCA	CCGGTCCGCC
	132361	TTTTTGAC	GGGTAAAGCAC	CTTGGGTGGG	CGGAGGAGGG	GGGGACGOGG	GGGCGGAGGA
30	132421	GGGGGGACGC	GGGGGCGGAG	GAGGGGGGAC	GCGGGGGCGG	AGGAGGGGGG	ACGCGGGGGC
	132481	GGAGGAGGGG	GGACGCGGG	GGGGAGGAGG	GGGCTCACCC	CGTTCGTG	CTTCCCGCAG
	132541	GAGGAACGTC	CTCGTCGAGG	CGACCGGGCG	CGACCGTTGC	GTGGACCGCT	TCCTGCTCGT
	132601	CGGGCGGGGG	GAAGCCACTG	TGGTCCTCCG	GGACGTTTTC	TGGATGGCCG	ACATTTCCCC
	132661	AGGC GCTTTT	GGCCTTG TG	TAAAAGCGCG	GCGTCCCGCT	CTCCGATCCC	CGCCCCTGGG
35	132721	CACGCGCAAG	CGCAAGCGCC	CTTCCC GCC	CCTCTCATCG	GAGTCTGAGG	TAGAATCCGA
	132781	TACAGCCTTG	GAGTCTGAGG	TGAAATCCGA	GACAGCATCG	GATTCTGACCG	AGTCTGGGG
	132841	CCAGGATGAA	GCCCCCGCA	TGGGTGGCC	TAGGGCCCCC	CGGAGGCTTG	GGGGCGGTT
	132901	TTTTCTGGAC	ATGTCGGCG	AATCCACCAC	GGGGACGGAA	ACGGATGCGT	CGGTGTCGGA
	132961	CGACCCCGAC	GACACGTCCG	ACTGGTCTTA	TGACGACATT	CCCCCACGAC	CCAAGGGGC
40	133021	CCGGGTAAAC	CTGCGCTCA	CGAGCTCTCC	CGATCGGC	GATGGGGTTA	TTTTCTCAA
	133081	GATGGGGCGG	GTCCGGTCTA	CCCCGGAAAC	GCAGCCCCGG	GCCCCCACCC	CGTCGGCCCC
	133141	AAGCCAAAT	GCAATGCTAC	GGCGCTCGGT	GCGCCAGGCC	CAGAGGCGGA	GCAGCGCACG
	133201	ATGGACCCCC	GACCTGGGCT	ACATGCGCA	GTGTATCAAT	CAGCTGTTTC	GGGTCTCGCG
	133261	GGT CGCCCGG	GACCCCA CG	GCAGTGCCAA	CGCCCTGCG	CACCTGATAC	GCGACTGTTA
45	133321	CCTGATGGGA	TACTGCCAG	CCCGTCTGGC	CCCGCGCACG	TGGTGCGGTT	TGCTGCAGGT
	133381	GTCCGGCGGA	ACCTGGGGCA	TGCACCTGCG	CAACACCATA	CGGGAGGTTG	AGGCTCGATT
	133441	CGACGCCACC	GGCGAACCCG	TGTGCAAGCT	TCC TTGTTTG	GAGACCAGAC	GGTACGGCCC
	133501	GGAGTGTGAT	CTTAGTAATC	TCGAGATTCA	TCTCAGCGCG	ACAAGCGATG	ATGAAATCTC
	133561	CGATGCCACC	GATCTGGAGG	CCGCCGGTT	GGACCACACG	CTCGCGTCC	AGTCCGACAC
50	133621	GGAGGATGCC	CCCTCCCCCG	TTACGCTGG	AACCCAGAA	CCCCCGGGGT	CCCTCGCTGT
	133681	GCGTCTGGAG	GATGAGTTTG	GGGAGTTTG	CTGGACCCCC	CAGGAGGGCT	CCCAGCCCTG
	133741	GCTGTCTGCG	GTCGTGGCG	ATACCAGCTC	CGTGGAACGC	CCGGGCCCCAT	CCGATTCTGG
	133801	GGCGGGTCGC	GCCGCAGAAG	ACCGCAAGTG	TCTGGACGGC	TGCCGGAAAA	TGCCCTTCTC
	133861	CACCGCCTGC	CCCTATCCGT	GCAGCGACAC	GTTTCTCCGG	CCGTGAGTCC	GGTCGCCCG
55	133921	ACCCCTTG	ATGCCCCAA	AATAAAAGAC	CAAATCAA	CGCTTGTCC	CAGCGTCTTA
	133981	ATGGCGGGAA	GGCGGGAGAG	AAACAGACCA	CGCGACATG	GGGGGTGTTT	GGGGTTTAT
	134041	TGGCACCGGG	GGCTAAAGGG	TGTTAACCGG	ATAGCAGATG	TGAGGAAGTC	GGGGCCGTT
	134101	GCCGCGAACG	GCGATCAGAG	GGTCAGTTTC	TTGCGGACCA	CGGCCCGGCG	ATGTGGGTTG
	134161	CTCGTCTGGG	ACCTCGGGCA	TGCCCATACA	CGCACAAACAC	GGACGCCGCA	CCGGATGGGA

	134221	CGTCGTAAGG	GGGCCTGGGG	TAGCTGGGTG	GGGTTTGTGC	AGAGCAATCA	GGGACCGCAG
	134281	CCAGCGATA	CAATCGCGCT	CCCGTCCGTT	TGTCCCGGGC	AGTACCACGC	CGTACTGGTA
	134341	TTCGTACCGG	CTGAGCAGGG	TCTCCAGGGG	GTGGTTGGGG	GCCGCGGGGA	ACGGGGTCCA
	134401	CGCCACGGTC	CACTCGGGCA	AAAACCGAGT	CGGCACGGCC	CACGGTTCTC	CCACCCACGC
5	134461	GTCTGGGTC	TTGATGGCGA	AAAATCTTAC	CCCGAGCCGG	ATTTTTTGGG	CGTATTGAG
	134521	AAACGGCACA	CACAGATCCG	CCCGCCCTAC	CACCCACAAG	TGGTAGAGGC	GAGGGGGGCT
	134581	GGGTTGGTCT	CGGTGCAGCA	GTCGGAAGCA	CGCCACGGCG	TCCACGACCT	CGGTGCTCTC
	134641	CAAGGGGCTG	TCCTCCGCAA	ACAGGCCCGT	GGTGGTGT	GGGGGGCAGC	GACAGGACCT
10	134701	AGTGCACG	ATCGGGCGGG	TGGGTTGGG	TAAGTCCATC	AGCGGCTCGG	CCAACCGTCG
	134761	AAGGTTGGCC	GGACGAACGA	CGACCGGGGT	ACCCAGGGGT	TCTGATGCCA	AAATGCGGCA
	134821	CTGCCTAACG	AGGAAGCTCC	ACAGGGCCGG	GCTTGCGTCG	ACGGAAGTCC	GGGGCAGGGC
	134881	GTTGTTCTGG	TCAAGGAGGG	TCATTACGTT	GACGACAACA	ACGCCCATGT	TGGTATATTA
	134941	CAGGCCCGTG	TCCGATTG	GGCACTTGCA	GATTTGTAAG	GCCACGCACG	GCGGGGAGAC
15	135001	AGGCCGACGC	GGGGGCTGCT	CTAAAAAATT	AAGGGCCCTA	CGGTCCACAG	ACCCGCCTTC
	135061	CGGGGGGGGC	CCTTGGAGCG	ACCGGCAGCG	GAGGCGTCCG	GGGGGAGGGG	GGGTGATT
	135121	CGGGGGGGTA	GGTCAGGGGG	TGGGTCGTCA	AACTGCCGCT	CCTTAAACC	CGGGGGCCCG
	135181	TCGTTCGGGG	TGCTCGTTGG	TTGGCACTCA	CGGTGCGCG	ATGGCCTGT	CGTAAGTTT
	135241	GTCGCGTTA	CGGGGGACAG	GGCAGGAGGA	AGGAGGAGGC	CGTCCCACCG	GAGACAAAGC
	135301	CGTCCCACGGT	GTTCCTCAT	GGCCCCCTTT	ATACCCCAGC	CGAGGACGCG	TGCCCTGGACT
20	135361	CCCCGCC	GGAGACCCCC	AAACCTTCCC	ACACCAACACC	ACCCAGCGAG	GCCGAGCGCC
	135421	TGTGTCATCT	GCAGGAGATC	CTTGCCCCAGA	TGTACGGAAA	CCAGGACTAC	CCCATAGAGG
	135481	ACGACCCCAG	CGCGGATGCC	GC GGACGATG	TCGACGGAGGA	CGCCCCGGAC	GACGTGGCCT
	135541	ATCCGGAGGA	ATACGAGAG	GAGCTTTTC	TGCCCCGGGA	CGCGACCGGT	CCCCTTATCG
	135601	GGGCCAACGA	CCACATCCCT	CCCCCGTGTG	GCGCATCTCC	CCCCGGTATA	CGACGACGCA
25	135661	GCCGGGATGA	GATTGGGCC	ACGGGATT	CCGCGGAAGA	GCTGGACGCC	ATGGACAGGG
	135721	AGGCGGCTCG	AGCCATCAGC	CGCGGCGGC	AGCCCCCCTC	GACCATGGCC	AAGCTGGTGA
	135781	CTGGCATGGG	CTTACGATC	CACGGAGCG	TCACCCCAGG	ATCGGAGGGG	TGTGTTTTG
	135841	ACAGCAGCCA	TCCAGATTAC	CCCCAACGGG	TAATCGTGA	GGCAGGGTGG	TACACGAGCA
	135901	CGAGGCCACGA	GGCGCAGCTG	CTGAGGCGAC	TGGACCA	GGCGATCCTG	CCCCCTCTGG
30	135961	ACCTGCATGT	CGTCTCCGGG	GTCACGTGTC	TGGTCTCCC	CAAGTACCA	GCCGACCTGT
	136021	ATACCTATCT	GAGTAGGC	CTGAACCCAC	TGGGACGCC	CGAGATCGCA	CGGGTCTCCC
	136081	GGCAGCTCCT	AAGCGCCGTT	GA	ACCGCAGGG	CATTATCCAC	CGGCACATTA
	136141	AGACCGAAAA	TATTTTATT	AAACACCCCCG	AGGACATTG	CCTGGGGGAC	TTTGGCGCCG
	136201	CGTGCCTCGT	GCAGGGTTCC	CGATCAAGCC	CCTTCCCCTA	CGGAATCGCC	GGAACCATCG
35	136261	ACACCAACGC	CCCCGAGGTC	CTGGCCGGGG	ATCCGTATAC	CACGACCGTC	GACATTGGA
	136321	GCGCCGGTCT	GGTGTATCTC	GAGACTGCCG	TCCACACGC	GTCCCTGTT	TCGGCCCCCCC
	136381	GCGGCC	AAAGGGCCCG	TGCGACAGTC	AGATCACCCG	CATCATCCGA	CAGGCCAGG
	136441	TCCACGTTGA	CGAGTTTCC	CCGCATCCAG	AATCGCGCCT	CACCTCGCGC	TACCGCTCCC
	136501	GCGCGGCCGG	GAACAATCGC	CCGCGTACA	CCCACCGGC	CTGGACCCGC	TACTACAAGA
40	136561	TGGACATAGA	CGTCGAATAT	CTGGTTGCA	AAGCCCTCAC	CTTCGACGGC	GCGCTTCGCC
	136621	CCAGCGCCGC	AGAGCTGCTT	TGTTTGC	TGTTTCAACA	AAAATGACCG	CCCCCTGGGG
	136681	GCGGTGCTGT	TTGCGGGTTG	GCACAAAAAG	ACCCCGATCC	CGCTCTGTGG	TGTTTTTGGC
	136741	ATCATGTCG	AGGGCGCCAT	GGCGTCCGTT	GTTCCATT	TCCCATT	TTGGTTCTT
	136801	GTCGGTGTAT	CGGGGGTTCC	CACCAACGTC	TCCTCCACCA	CCCAACCCCA	ACTCCAGACC
45	136861	ACCGGTCGTC	CCTCGCATGA	AGCCCCAAC	ATGACCCAGA	CCGGCACCCAC	CGACTCTCCC
	136921	ACCGCCATCA	GCCTTAC	ACCCGAC	ACACCCCCCA	TGCAAGTAT	TGGACTGGAG
	136981	GAGGAGGAAG	AGGAGGAGGG	GGCGGGGGAC	GGCGAACATC	TTGAGGGGGG	AGATGGGACC
	137041	CGTGACACCC	TACCCAGTC	CCCCGGCCCA	GCCTTCCC	TGGCTGAGGA	CGTCGAGAAG
	137101	GACAAACCCA	ACCGTCCC	AGTCCC	CCCAGTCCCA	ACAAC	CCCCCGCCCC
50	137161	GAGACCGAGTC	GCCCCGAAGAC	ACCCCCCACC	ATTATCGGGC	CGCTGGCAAC	TCGCCCCACG
	137221	ACCCGACTCA	CCTCAAAGGG	ACGACCC	CTCAACATAC	CCCGCTGTT	
	137281	TCGTTCTCA	CTGCCTCCCC	CGCCCTGGAC	ACCC	TGTC	
	137341	ACCTTATCGT	TTTGTGTAT	TGGTGC	AGTGCACACC	TGTGTGGCG	TTGGTCCAGA
	137401	CGCGGGCGAC	GCACACACCC	TAGCGTGC	TACGTGTGCC	TGCGTCCGA	ACGCGGGTAG
55	137461	GGTATGGG	GGGGGATGGG	GAGAGCCCAC	ATGCGAAG	CAAGAACAA	AAAGGC
	137521	GTATCTAGTT	GATATGCATC	TCTGGGTGTT	TTTGGGTG	GGCGGACGCG	GGCGGGTCA
	137581	TGGACGGGGT	GCAGTTAAAT	ACATGCCC	GACCCATGAA	GCATGCGCGA	CTTCCGGGCC
	137641	TCAGAACCCA	CCC	AAACGG	CCAACGGACG	TCTGAGCCAG	GCCTGGCTAT
	137701	AGCACACGAC	TTGGCGTTCT	GTGTGTCGCG	ATGTCTCTG	GGCGAGTCTG	GCATCTGGGG

	137761	CTTTGGGAA	GCCTCGTGGG	GGCTGTTCTT	GCCGCCACCC	ATCGGGGACC	TGCGGCCAAC
	137821	ACAACGGACC	CCTTAACGCA	CGCCCCAGTG	TCCCCTCAC	CCAGCCCCCT	GGGGGGCTTT
	137881	GCCGTCCCCC	TCGTAGTCGG	TGGGCTGTGC	GCCGTAGTCC	TGGGGGCGGC	ATGTCTGCTT
	137941	GAGCTCCCTGC	GTCGTACGTG	CCGGGGGTGG	GGGC GTTAC	ATCCCTACAT	GGACCCAGTT
5	138001	GTCGTATAAT	TTCCCCCCCC	CCCCCCCCTTC	TCCCGTGGG	TGATGTCGGG	TCCAAACTCC
	138061	CGACACCACC	AGCTGGCATG	GTATAAATCA	CCGGTGC	CCCCAAACCA	TGTCCGGCAG
	138121	GGGGATGGGG	GGGCAATGCG	GAGGGCACCC	AACAACACCG	GGCTAAC	GAAATCCGTG
	138181	GCCCCGGCCC	CCAATAAAGA	TCGGGTAGC	CCGGCCGTGT	GACACTATCG	TCCATACCGA
	138241	CCACACCGAC	GAATCCCCA	AGGGGGAGGG	GCCATT	GAGGAGGAGG	GGTATAACAA
10	138301	AGTCTGTCTT	AAAAAGCAG	GGGTTAGGG	GTTGTT	GAGGAGGAGG	GGTATAACAA
	138361	ACCAACTACC	CCGATCATCA	GTTATCCTT	AGGTCTCTT	TGTGTTG	GTTCCGGTAT
	138421	GGGGGGGGCT	GCCGCCAGGT	TGGGGGCCGT	GATTTGTTT	GTCGT	TAG TGGCCTCCA
	138481	TGGGGTCCGC	AGCAAATATG	CCTTGGTGG	TGCCTCTCTC	AAGATGGCCG	ACCCCAATCG
	138541	CTTCGCGGC	AAAGACCTTC	CGGTCTGG	CCAGCTGACC	GACCC	GGTCCGGCG
15	138601	CGTGTACAC	ATCCAGGGCG	GCCTACCGG	CCC	GGTCCGGCG	TCCCGATCAC
	138661	GGTTTACTAC	GCCGTGTTGG	AGCGCGCTG	CCG	GGTCCGGCG	CACCGTGGAA
	138721	GGCCCCCCCAG	ATTGTCGCG	GGGCTCCGA	AGACGTCCGG	AAACAAC	ACACCTGAC
	138781	CATCGCTTGG	TTTCGGATGG	GAGGCAACTG	TGCTAT	ATCACGGTCA	TGGAGTACAC
	138841	CGAATGCTCC	TACAACAAGT	CTCTGGGGC	CTGTCCC	CGAAC	CCCCTGGAA
20	138901	CTACTATGAC	AGCTTCAGCG	CCGTCA	GGATAAC	GGGTT	TGCA CGCCCC
	138961	CGCGTTGAG	ACCGCCGGCA	CGTAC	CTGGAAG	ATAAACGACT	GGACGGAGAT
	139021	TACACAGTTT	ATCCTGGAGC	ACCGAGC	GGGCT	CTCTGT	TCCCGCTGCG
	139081	CATCCCCCG	TCAGCCTGCC	TCT	CCCAG	CAGGGGGTGA	CGGTGGACAG
	139141	CATCGGGATG	CTGCCCCGCT	TCAT	CCCAG	ACC	TATACAGCTT
25	139201	GAAGATCGCC	GGGTGGCACG	GGCCCAAGG	CCC	ATACACG	AGCAC
	139261	GCTGTCCGAG	ACCCCCAACG	CCACG	CGGCC	CCGGAAG	CCGAGGATT
	139321	GGCCCTCTTG	GAGGACCCCC	TGGGACGG	GGC	GGC	ATCCCAC
	139381	ACCGTCGATC	CAGGACGCCG	CGACG	CTT	CCCAG	ACAACATGGG
	139441	CCTGATCGCC	GGCGCGGTGG	GGGGCAGT	CCT	GGCAG	TGGAATTG
30	139501	GTACTGGATG	CGCCGCCACA	CTCAAAAGC	CCC	AAAGC	ATACG
	139561	GGAAGACGAC	CAGCGTCCT	CGACCAGC	CTT	GTTTAC	CCCAC
	139621	GTGCGGGGG	GTCAGGTCTG	CGGGGTTGG	ATGGGAC	ACTCC	AAAGCAG
	139681	TGGAAGGGGG	GAAAGGTGGA	CAGTCGATAA	GTCGG	TAGG	ACCTGTTCCG
	139741	CCTGTCGAC	CCACAGCTT	TTTGCGAAC	CGTCCG	GGGAT	TGCCGCCGT
35	139801	TGCAGGGCCT	GGTGT	GGCTCTGG	TCTGT	CCCAC	GTCCGTGGCC
	139861	CCACGGTCAG	TCTGGTATCA	AACTCAT	TGGAC	CCCCT	CCCGACGGCG
	139921	TAGTGGAGGA	AGACCTGCTT	ATTCTGG	AGCTTC	TGTGG	CAGGTCCCC
	139981	ACACCACCTA	CTACGATGGG	GGCGTAGAGC	TGTGG	ACTGG	CACAAATGCC
	140041	CACGGGTGCT	GCATGTCGTC	ACGGTGACCG	CGTCCC	ACG	GTGGCATTG
40	140101	CCCTGTGTCG	CGCGACCGAC	AGCACTCACA	GCCCC	CCCAC	GAGCTCAATC
	140161	TGGCCCAACA	GCCGCTTTG	CGGGTCCAGA	GGG	ACGCG	GGGGTGTACG
	140221	TGTTACGCGT	ATGGGTCGGT	GACGCGCCAA	ACG	CCAGC	GGGATGGCCA
	140281	TAGCCGCCGA	AGGGACTCTG	GCGTACAACG	GCT	GGCCT	GACCCGAAAC
	140341	TGCTCCGTC	TTCGGCCCCG	CGTCTGGCC	CGG	CGAGCGT	ATACCAACCC
45	140401	AGGCCTCCAC	CCCCTCGACC	ACCACCTCA	CCC	CTCGAC	GCTCCCTCGA
	140461	CCACCATCCC	CGCTCCCCAA	GCATGACCA	CCC	CTTCCC	CAAAAACAC
	140521	AACCTCCCGG	GGTCAACCAC	GAACCCCCAT	CTAATGCCAC	GCGAGC	CGCGACTCGC
	140581	GATACGCGCT	AACGGTGAC	CAGATAATCC	AGATAGCC	CCC	CGTCC
	140641	TGGTGT	GGGGAGCTGT	ATTGCTTTA	TACACAGATG	TCAACGCC	TACCGACGCT
50	140701	CCCCTCGCCC	GATT	CCCCAGATG	CCACGGG	CTCATGCG	GTGAACGAAG
	140761	CGGCCATGGC	CCGCCTCGGA	GCCGAGCTA	AATCG	ACCCCC	CCCAAATCCC
	140821	GGCGCCGGTC	GTCACGCGAC	CCAATGCC	CCCTGAC	CATCG	GAGTCGGAGC
	140881	CCGCTGGGGC	GGCTGGGCTT	CCGAC	CCG	CACGAC	ACCCCAACGC
	140941	CTCCCTGTT	GGTATAGGTC	CACGGCCACT	GGCC	GGGAG	ACCACATAAC
55	141001	CCCTGAGTTG	GGAATAAACC	GGTATT	ACCTAT	GTGTATG	ATTTCTTCC
	141061	CCCCCTCCCC	GGAAACCAAA	GAAGGAAGCA	AAGAATGGAT	GGGAGGAGTT	CAGGAAGCCG
	141121	GGGAGAGGGC	CCGCGGCGCA	TTAAGGC	TGTTG	ACTTTG	TTCTGGCGGG
	141181	TTGGTGC	GCTGTTGTT	GGGCT	TTTACCG	GATCG	TATCCCCGGG
	141241	ACATGGATCG	CGGGCGGTG	GTGGGGTTTC	TTCTCG	GGTGT	TCGTGCTTGG

	141301	CGGGAAACGCC	CAAAACGTCC	TGGAGACGGG	TGAGTGTCGG	CGAGGACGTT	TCGTTGCTTC
	141361	CAGCTCCGGG	GCCTACGGGG	CGCGGCCCGA	CCCAGAAACT	ACTATGGGCC	GTGGAACCCC
	141421	TGGATGGGTG	CGGCCCTTA	CACCCGTCGT	GGGTCTCGCT	GATGCCCCCC	AAGCAGGTGC
	141481	CCGAGACGGT	CGTGGATGCG	CGTGCATGC	GCGCTCCGGT	CCCGCTGGCG	ATGGCGTACG
5	141541	CCCCCCCAGG	CCCATCTGCG	ACCGGGGGTC	TACGAACGGA	CTTCGTGTGG	CAGGAGCGCG
	141601	CGGCCGTGGT	TAACC GGAGT	CTGGTTATTG	ACGGGGTCCG	AGAGACGGAC	AGCGGCCTGT
	141661	ATACCCCTGTC	CGTGGCGAC	ATAAAGGACC	CGGCTCGCCA	AGTGGCCTCG	GTGGTCCCTGG
	141721	TGGTGCAACC	GGCCCCAGTT	CCGACCCCAC	CCCCGACCCC	AGCCGATTAC	GACGAGGATG
	141781	ACAATGACGA	GGCGGAGGAC	GAAAGTCTCG	CCGGCACTCC	CGCCAGCGGG	ACCCCCCGGC
10	141841	TCCCGCCTCC	CCCCGCCCCC	CCGAGGTCTT	GGCCCAGCGC	CCCCGAAGTC	TCACATGTGC
	141901	GTGGGGTGCAC	CGTGCATGATG	GAGACTCCGG	AAGCTATCCT	GT TTTTCCCCC	GGGGAGACGT
	141961	TCAGCACGAA	CGTCTCCATC	CATGCCATCG	CCCACGACGA	CCAGACCTAC	TCCATGGACG
	142021	TCGCTCTGGTT	GAGGTTCGAC	GTGCCGACCT	CGTGTGCCGA	GATGCGAATA	TACGAATCGT
	142081	GTCTGTATCA	CCCGCAGCTC	CCAGAATGTC	TGTCCCCGGC	CGACGCGCCG	TGCGCCGCGA
15	142141	GTACGTGGAC	GTCTCGCTG	GCCGTCCGCA	GCTACGCGGG	GTGTTCCAGA	ACAAACCCCC
	142201	CACCGCGCTG	TTCGGCCGAG	GCTCACATGG	AGCCCCGTCCC	GGGGCTGGCG	TGGCAGGCGG
	142261	CCTCCGTCAA	TCTGGAGTTC	CGGGACGCGT	CCCCACAACA	CTCCGGCTG	TATCTGTGTG
	142321	TGGTGTACGT	CAACGACCAT	ATTCACGCT	GGGGCCACAT	TACCATCAGC	ACCGCGGCCG
	142381	AGTACCGGAA	CGCGGTGGTG	GAACAGCCCC	TCCCACAGCG	CGGCGCGGAT	TTGGCCGAGC
20	142441	CCACCCACCC	GCACGTCGGG	GCCCCCTCCCC	ACGCGCCCCC	AACCCACGGC	GCCCTGCGGT
	142501	TAGGGGGCGGT	GATGGGGGCC	GCCCTGCTGC	TGTCTGCACT	GGGGTTGTG	GTGTGGCGT
	142561	GTATGACCTG	TTGGCGCAGG	CGTGCCTGGC	GGGCGGTTAA	AAGCAGGGCC	TCGGGTAAGG
	142621	GGCCCACGTA	CATTGCGTG	GCCGACAGCG	AGCTGTACGC	GGACTGGAGC	TCGGACAGCG
	142681	AGGGAGAACG	CGACCAAGGTC	CCGTGGCTGG	CCCCCCCCGA	GAGACCCGAC	TCTCCCTCCA
25	142741	CCAATGGATC	CGGCTTTGAG	ATCTTATCAC	CAACGGCTCC	GTCTGTATAC	CCCCGTAGCG
	142801	ATGGGCATCA	ATCTCGCCGC	CAGCTCACAA	CCTTTGGATC	CGGAAGGGCC	GATCGCCGTT
	142861	ACTCCCAGGC	CTCCGATTG	TCCGTCTTCT	GGTAAGGCGC	CCCATCCCGA	GGCCCCACGT
	142921	CGGTGCGCGA	ACTGGGCGAC	CGCCGGCGAG	GTGGACGTG	GAGACGAGCT	AATCGCATT
	142981	TCCGACGAAC	GCGGACCCCC	CCGACATGAC	CGCCCCCCCC	TCGCCACGTC	GACCGCGCCC
30	143041	TCGCCACACC	CGCGACCCCC	GGGCTACACG	GCGTTGTCT	CCCCGATGGC	CCTCCAGGCT
	143101	GTCGACGCC	CCTCCCTGTT	TGTCGCTGG	CTGGCCGCTC	GGTGGCTCCG	GGGGGCTTCC
	143161	GGCCTGGGGG	CCGTCTGTG	TGGGATTGCG	TGGTATGTGA	CGTCAATTG	CCGAGGCGA
	143221	TAAAGGGCCG	GTGGTCCGCC	TAGCCGCAGC	AAATTAAAAA	TCGTGAGTCA	CAGCGACCGC
	143281	AACTTCCCAC	CCGGAGCTT	CTTCCGGCCT	CGATGACGTC	CGGGCTCTCC	GATCCCAACT
35	143341	CCTCAGCGCG	ATCCGACATG	TCCGTGCCGC	TTTATCCCAC	GGCCTCGCCA	GTTTCGGTCG
	143401	AAGCCTACTA	CTCGGAAAGC	GAAGACGAGG	CGGCCAACGA	CTTCCTCGTA	CGCATGGGCC
	143461	GCCAACAGTC	GGTATTAAGG	CGTCGACGCA	GACGACCCCG	CTGCGTCGGC	ATGGTGATCG
	143521	CCTGTCTCCT	CGTGGCCGTT	CTGTCGGGCG	GATTGGGGC	GCTCCTGATG	TGGCTGCTCC
	143581	GCTAAAAGAC	CGCATTGACA	CGCGCGTCCT	TCTTGTGTC	TCTCTTCCCC	CCCATCACCC
40	143641	CGCAATTGTC	ACCCAGCCTT	TAACTACATT	AAATTGGGTT	CGATTGCCAA	TGTGTCTCC
	143701	CGGTTGATTT	TTGGGTTGGGT	GGGGAGTGGG	TGGGTGGGG	GTGGGTGGGT	GGGGAGTGGG
	143761	TGGGTGGGG	GTGGGTTGGGT	GGGGAGTGGG	TGGGTGGGG	GTGGGTGGGT	GGGGAGTGGG
	143821	TGGGTGGGG	GTGGGTTGGGT	GGGGAGTGGG	TGGGTGGGG	GTGGCAAGGA	AGAAACAAGC
	143881	CCGACCCACCA	GACAGAAAAT	GTAACCATAC	CCAAACCGAC	TCTGGGGCT	GTTTGTGGGG
45	143941	TCGGAACCAT	AGGATGAACA	AACCAACCCG	TACCAACCGC	ACCCAAGGGT	GCGGTGGCTC
	144001	ATCGGCATCT	GTCCGGTAGT	GGTTGTTCCC	CACCCACTCG	CGTTCGGACG	TCTTAGAATC
	144061	ATGGCGGTTT	TCTATGCCGA	CATCGGTTTT	CTCCCCCGCA	ATAAGACACG	ATGCGATAAA
	144121	ATCTGTTTGT	AAAATTATT	AAGGGTACAA	ATTGCCCTAG	CACAGGGGTG	GGGTTAGGGC
	144181	CGGGTCCCCA	CACCCAAACG	CACCAAACAG	ATGCAGGCAG	TGGGTCGAGT	ACAGCCCCGC
50	144241	GTACGAACAC	GTCGATGCGT	GTGT CAGACA	GCACCAAGAAA	GCACAGGCCA	TCAACAGGTC
	144301	GTGCATGTGT	CGGTGGGTTT	GGACGCGGGG	GGCCATGGTG	GTGATAAAGT	TAATGGCCGC
	144361	CGTCCGCCAG	GGCCACAGGG	GGCACGTC	TTGGTTGGCC	CGGAGCCACT	GGGTGTGGAC
	144421	CAGCCGCGCG	TGGCGGGCCA	ACATGGCCCC	TGTAGCCGGG	GGCGGGGGAT	CGCGCACGTT
	144481	TGCAGCGCAC	ATGCAGAGACA	CCTCGACCAC	GGTTCGAAAG	AAGGCCCCGT	GGTCCGCGGG
55	144541	CAACATCACC	AGGTGCGCAA	GCGCCCGGGC	GTCCAGAGGG	TAGAGCCCTG	AGTCATCCGA
	144601	GGTTGGCTCA	TCGCCCCGGT	CTTGGCGCAA	GTGGCGTGTG	GT TGGGCTTC	CGGTGGGGCG
	144661	GACCGAACC	GC GGTGTGGA	TCCCGACGCG	GGCCCGAGCG	TATGCTCCAT	GTTGTGGGG
	144721	GAAGGGGTCT	GGGCTGCCCA	GGGGGGCATA	CTTGGCCGGG	CTATACAGAC	CCCGCGAGCCG
	144781	TACGTGGTTC	GC GGGGGGTG	CGTGGGGTCC	GGGGCTCCCC	GGGAGACCGG	GGCTCCCCGGG

	144841	GAGACCGGGG	CTCCCTGGGA	GACCGGGGTT	GTCGTGGATC	CCTGGGGTCA	CGCGGTACCC
	144901	TGGGGTCTCT	GGGAGCTCGC	GGTACTCTGG	GTTCCTCTAGG	TTCTCGGGGT	GGTCGCGGAA
	144961	CCCAGGGCTC	CCGGGGAAACA	CGCGGTGTCC	TGGGGATTGT	TGGCGGTCTG	ACGGCTTCAG
	145021	ATGGCTTCGA	GATCGTAGTG	TCCGCACCGA	CTCGTAGTAG	ACCCGAATCT	CCACATTGCC
5	145081	CCGCCGCTTG	ATCATTATCA	CCCCGTTGCG	GGGGTCCCGA	GATCATGCGC	GGGTGTCCTC
	145141	GAGGTGCGTG	AACACCTCTG	GGGTGCATGC	CGGCAGACGG	CACGCCTTTT	AAGTAAACAT
	145201	CTGGGTGCGC	CGGCCCAACT	GGGGCCGGGG	TGTTGGTCTG	GCTCATCTCG	AGAGCCACGG
	145261	GGGGGAACCA	CCCTCCGCC	AGAGACTCGG	GTGATGGTCTG	TACCCGGGAC	TCAACGGGTT
	145321	ACCGGATTAC	GGGGACTGTC	GGTCACGGTC	CCGCCGGTTC	TTCGATGTGC	CACACCCAAG
10	145381	GATGCGTTGG	GGCGATTTC	GGGCAGCAGC	CCGGGAGAGC	GCAGCAGGGG	ACGCTCCGGG
	145441	TCGTGCACGG	CGGTTCTGGC	CGCCTCCCGG	TCCTCACGCC	CCCTTTTATT	GATCTCATCG
	145501	CGTACGTCGG	CGTACGTCT	GGGCCCAACC	CGCATGGTGT	CCAGGAAGGT	GTCCGCCATT
	145561	TCCAGGGCCC	ACGACATGCT	CCCCCCCAGC	GAGCAGGAAG	CGGTCCACGC	AACGGTCGCC
15	145621	GCCGGTCGCC	TCGACGAGGA	CGTTCTCCT	GCAGGAAGGC	ACGAACGCCG	GTGAGCCCCC
	145681	TCCTCCGCC	CCGCGTCCCC	CCTCCTCCGC	CCCCCGTCC	CCCTCCTCC	GCCCCCGCGT
	145741	CCCCCTCCT	CGGCCCCCGC	GTCCCCCTC	CTCCGCC	CGTCCCCCCC	TCCTCCGCC
	145801	CCGCGTCCCC	CCTCCTCCAC	CCCCCGTCC	CCCCCTCCTC	CGCCCAACCA	AGGTGCTTAC
	145861	CCGTGAAAAA	AAGGCGGACC	GGTGGGTTTC	TGTCGTGCGA	GGCCCCGGGG	GTGCGTCCCC
	145921	TGTGTTTCGT	GGGTGGGTG	GGCGGGTCTT	TCCCCCCC	GTCCGCGTGT	CCCTTCCGA
20	145981	TGCGATCCCC	ATCCCAGAGC	GGGGCGTCGC	GATGCGACG	CCGTCCGCTC	CGACGGCCCT
	146041	CTGCGACTCC	CGCTCCCGGT	CCGCGTGCCTC	CCGAGCCGCT	CCCGTCGTT	GTGGCCGGCG
	146101	CCGTCCTGCCG	CGTGCCTCG	CGCCGGGCCT	TTATGTGCGC	CGGAGAGACC	CGCCCCCCGC
	146161	CGCCCGGGCC	CGCCCCCGGG	GCCGGCGCGG	AGTCGGGCAC	GGGCCAGTG	CTCGCACTTC
	146221	GCCCTAATAA	TATATATATA	TTGGGACGAA	GTGCAACGC	TTCGCTTCT	CACTTCTTTT
25	146281	ACCCGGCGGC	CCCGCCCCCT	TGGGGCGGTC	CCGCCCGCCG	GCCAATGGGG	GGGCGGCAAG
	146341	GCGGGCGGCC	CTTGGGCCGC	CCGCGTCCC	GTTGGTCCC	CGTCCGGCG	GGGGGGACCG
	146401	GGGGGCCCGG	GGACGGCCAA	CGGGCGCGCG	GGGCTCGTAT	CTCATTACCG	CCGAACCGGG
	146461	AAGTCGGGGC	CCGGGGCCCCG	CCCCCTGCC	GTTCTCGT	AGCATGCCGA	ACGGAAGCGG
	146521	AAACCGCCGG	ATCGGGCGGT	AATGAGATGC	CATGCGGGC	GGGGCGCGGA	CCCACCGGCC
30	146581	CTCGCGCCCC	GCCCATGGCA	GATGGCGCG	ATGGGGGGGG	CCGGGGGTT	GACCAACGGG
	146641	CCGCGGCCAC	GGGCCCCCGG	CGTGCCTGGC	TCGGGGCGGG	GTCTGCTATA	ATGGAATTCC
	146701	GTTGGGGGTG	GGCCCCTGCCG	GGGGGGCGGG	GGCCGGCGGC	CTCCGCTGCT	CCTCTTCCC
	146761	GCCGGCCCC	GGGACTATAT	GAGCCCGAGG	ACGCCCCGAT	CGTCCACACG	GAGCGCGGCT
	146821	GCCGACACGG	ATCCACGACC	CGACGCCGGA	CCGCCAGAGA	CAGACCGTCA	GACGCCGCGC
35	146881	GCGCCGGGAC	GCGATAACGC	GGACGAAGCG	CGGGAGGGGG	ATCGGCCGTC	CCTGTCTTTT
	146941	TTCCCAACCA	AGCATCGACC	GGTCCCGCCT	AGTTCCCGT	CGACGGCGGG	GGTCGTCGGG
	147001	GTCCGTGGGT	CTCGCCCCCT	CCCCCCATCG	AGAGTCCGTA	GGTGACCTAC	CGTGTCTACGT
	147061	CCGCGTCGC	AGCCGTATCC	CCGGAGGATC	GCCCCGCATC	GGCGATGGCG	TCGGAGAACAA
	147121	AGCAGCGGCC	CGGCTCCCCG	GGCCCCACCG	ACGGGGCGCC	GCCCACCCCG	AGCCCAGACC
40	147181	GCGACGAGCG	GGGGGCCCTC	GGGTGGGGCG	CGGAGACGGA	GGAGGGCGGG	GACGACCCCCG
	147241	ACCACGACCC	CGACCACCCC	CACGACCTCG	ACGACGCCG	CGGGGACCGGG	AGGGCCCCCG
	147301	CGGCGGGCAC	CGACGCCGCG	GAGGACGCCG	GGGACGCCGT	CTCGCCGCGA	CAGCTGGCTC
	147361	TGCTGGCCTC	CATGGTAGAG	GAGGCCGTCC	GGACGATCCC	GACGCCGCGAC	CCCGCGGCCCT
	147421	CGCCGCC	GACCCCCGCC	TTTCGAGCCG	ACGACGATGA	CGGGGACCGAG	TACGACGACG
45	147481	CAGCCGACGC	CGCCGGCGAC	CGGGCCCCCG	CCCGGGGCCG	CGAACGGGAG	GCCCCGCTAC
	147541	CGGGCGCGTA	TCCGGACCCC	ACGGACCGCC	TGTCGCCGCG	CCCGCCGGCC	CAGCCGCCGC
	147601	GGAGACGTCG	TCACGGCCGG	TGGCGGCCAT	CGCGTCATC	GACCTCGT	GACTCCGGGT
	147661	CCTCGTCCTC	GTCGTCCGCA	TCCCTTCCTG	CCTCGTCGTC	CGACGAGGAC	GAGGACGACG
	147721	ACGGCAACGA	CGCGGCCGAC	CACGCACCGC	AGGCGCGGGC	CGTCGGGCGG	GGTCGTCGA
50	147781	GCGCGGCGCC	GGCAGCCCCC	GGGCGGACGC	CGCCCCCGCC	CGGGCCACCC	CCCCCTCTCCG
	147841	AGGCCGCGCC	CAAGCCCCGG	GGGGCGGCCGA	GGACCCCCCGC	GGCCTCCCGCG	GGCCGCATCG
	147901	AGCGCCGCCG	GGCCCGCGCG	GGGGTGGCGC	GGCGCGACGC	CACGGGCCGC	TTACGCGGCC
	147961	GGCAGCCCCG	GGGGGTCGAG	CTGGACGCCG	ACGCGACCTC	CGGCGCCTTC	TACCGCGCGCT
	148021	ATCGCGACGG	GTACGTCAGC	GGGGAGCCGT	GGCCCGGGCGC	CGGGCCCCCG	CCCCCGGGGGC
55	148081	GGGTGCTGTA	CGGCGGCC	GGCGACAGCC	GCCCCGGCCT	CTGGGGGGCG	CCCGAGGCGG
	148141	AGGAGGCGCG	ACGCCGGTT	GAGGCCCTCG	CGGCCCGGGC	GGCGGTGTGG	GCGCCGCAGGC
	148201	TGGGCGACGC	CGCGCAGCAG	TACGCCCTGA	TCACGCGGCT	GCTGTACACC	CCGACGCGG
	148261	AGGCCATGGG	GTGGCTCCAG	AAACCGCGCG	TGGTCCCCGG	GGACGTGGCG	CTGACCGCAGG
	148321	CCTGCTTC	GATCTCGGGC	GCCGCGCGCA	ACAGCAGCTC	CTTCATCACC	GGCAGCGTGG

	148381	CGCGGGCCGT	GCCCCACCTG	GGCTACGCCA	TGGCGGCCGG	CCGCTTCGGC	TGGGGCCTGG
	148441	CGCACGCGC	GGCGCGCGT	GCCATGAGCC	GCCGATAACGA	CCCGCGCGCAG	AAGGGCTTCC
5	148501	TGCTGACCAG	CCTGCGCCGC	GCCTACGCGC	CCCTGTTGGC	GCGCGAGAAC	GCGGCGCTGA
	148561	CGGGGGCCGC	GGGGAGCCCC	GGCGCCGGCG	CAGATGACGA	GGGGGTGCGCC	GCCGTCGCCG
10	148621	CCGCCGCACC	GGGCGAGCGC	GCGGTGCCCG	CCGGGTACGG	CGCCGCGGGG	ATCCTCGCCG
	148681	CCCTGGGGCG	GCTGTCCGC	GCGCCCGCCT	CCCCCGCGGG	GGCGACGAC	CCCGACGCCG
	148741	CCCGCCACGC	CGACGCCGAC	GACGACGCCG	GGCGCCGCCG	CCAGGCCGCG	CGCGTGGCCG
	148801	TCGAGTGCGCT	GGCGCCCTGC	CGCGGGATCC	TGGAGGCGCT	GGCCGAGGGC	TTCGACGCCG
	148861	ACCTGGCGGC	CGTCCCAGGG	CTGGCCGGGG	CCCGGCCCCG	CAGCCCCCG	CGGCCGGAGG
15	148921	GACCCGCGGG	CCCCGCTCC	CCGCGGCCGC	CGCACGCCGA	CGCGCCCCCG	CTGCGCGCGT
	148981	GGCTGCGCGA	GCTGCGGTT	GTGCGCGACG	CGCTGGTGC	CATGCGCCTG	CGCGGGGACC
	149041	TGCGCGTGGC	CGGGGGCAGC	GAGGCCGCGC	TGGCCGCGT	GCGCGCCGTG	AGCCTGGTCG
	149101	CGGGGGCCCT	GGGGCCCGCG	CTGGCCGCGG	ACCCGCGCCT	GCGAGCTCC	GCGGCCGCCG
	149161	CCGCCGCCGA	CCTGCTGTT	GACAACCAGA	GCCTGCGCC	CCTGCTGGCG	CGGGCGGCCA
20	149221	GCGCACCGGA	CGCCGCCGAC	GCGCTGGCGG	CCGCGCCCGC	CTCCGCCGCG	CGCGGGGAGG
	149281	GGCGCAAGCG	CAAGAGTCCC	GGCCCGGCC	GGCGCCCGG	AGGCGGCCGC	CGCGCACCCC
	149341	CGAAGACGAA	GAAGAGCGGC	GCGGACGCC	CCGGCTCGGA	CGCCCGCGCC	CCCCTCCCCG
	149401	CGCCCGCGCC	CCCCCTCACG	CCCCCGGGGC	CCGAGCCCGC	CCCCGCCAG	CCGCGGCCG
	149461	CCCGGGCCGC	CGCGGCCGAG	GGCCGCCCGC	GCCCCGTGGC	CCTGTCGCCG	CGGCCGCCCG
25	149521	AGGGCCCCGA	CCCCCTGGGC	GGCTGGCGGC	GGCAGCCCC	GGGGCCCAGC	CACACGGCGG
	149581	CGCCCGCGGC	CGCCGCCCTG	GAGGCCTACT	GCTCCCCGCG	CGCCGTGGCC	GAGCTCACGG
	149641	ACCACCCGCT	GTTCCTCGTC	CCCTGGCGAC	CGGCCCTCAT	TTTGACCCG	CGGGCCCTGG
	149701	CCTCGATCGC	CGCGCGGTGC	GCCGGGCCCG	CCCCCGCCGC	CCAGGCCGCG	TGCGGCGGCC
	149761	GCGACGACGA	CGATAACCCC	CACCCCCACG	GGGCGCCCG	GGGCGCCCTC	TTTGGCCCC
30	149821	TGCGCGCCTC	GGGGCCGCTG	CGCCGCATGG	CGGCCTGGAT	GCGCCAGATC	CCGACCCCG
	149881	AGGACGTGCG	CGTGGTGGTG	CTGTACTCGC	CGCTGCCGGG	CGAGGACCTG	GCCGGCGGCC
	149941	GGGCCTCGGG	GGGGCCGCCG	GAGTGGTCCG	CCGAGCGCGG	CGGGCTGTCC	TGCCTGCTGG
	150001	CGGCCCTGGC	CAACCGGCTG	TGCGGGCCGG	ACACGCCGC	CTGGGGGGCC	AATTGGACCG
	150061	GCGCCCCCGA	CGTGTGGCG	CTGGGCGCAC	AGGGCGTGC	GCTGCTGTCC	ACGCGGGACC
35	150121	TGGCCTTCGC	CGGGGCCGTG	GAGTTCTGG	GGCTGCTCGC	CAGGCCGCC	GACCGGGCGC
	150181	TCATCGTGGT	CAACACCGT	CGCGCCTGCG	ACTGGCCCGC	CGACGGGGCC	GCGGTGTCGC
	150241	GGCAGCACGC	CTACCTGGCG	TGCGAGCTGC	TGCCCCCGT	GCAGTGC	GTGCCTGCGC
	150301	CGGCGGCGCG	GGACCTGCGC	CGCACGGTGC	TGGCCTCGGG	CCGCGTGTTC	GGCCCGGGGG
	150361	TCTTCGCGCG	CGTGGAGGCC	GCGCACGCGC	GCCTGTACCC	CGACCGCGCG	CCGCTGCGCC
40	150421	TGTGCCGCGG	CGGCAACGTG	CGCTACCGCG	TGCGCACGCG	CTTCGGCCCG	GACACGCCGG
	150481	TGCCCATGTC	CCCGCGCGAG	TACCGCCGGG	CCGTGCTGCC	GGCGCTGGAC	GGCCGGGGCG
	150541	CGGCCCTCGGG	GACCACCGAC	GCCATGGCGC	CCGGCGCGCC	GGACTTCTGC	GAGGAGGAGG
	150601	CCCACCTCGCA	CGCCGCCTGC	GCGCGCTGGG	GCCTGGGCGC	GCGCTGCGG	CCCGTGTACG
	150661	TGGCGCTGGG	GCGCGAGGCC	GTGCGCGCCG	GCCCCGCCCG	GTGGCGCGGG	CCGCGGAGGG
45	150721	ACTTTTGC	CCGCGCCCTG	CTGGAGCCCC	ACGACGACGC	CCCCCCGCTG	GTGCTGCGC
	150781	GCGACGACGA	CGGCCCCGGG	GCCCTGCCGC	CGGGGATTCCG	TGGGCCTCGG	
	150841	CCACGGGCCG	CAGCGGCACC	GTGCTGGCGG	CGGCGGGGGC	CGTGGAGGTG	CTGGGGGGCG
	150901	AGGCGGGCTT	GGCCACGCC	CCGCGGCCGG	AAGTTGTGGA	CTGGGAAGGC	GCCTGGGACG
	150961	AAGACGACGG	CGGCGCGTTC	GAGGGGGACG	GGGTGCTGTA	ACGGGGCCGGG	ACGGGGCGGG
50	151021	GCGCTTGTGA	GACCCGAAGA	CGCAATAAAC	GGCAACAACC	TGATTAAGTT	TTGCAGTAGC
	151081	GTTGTTTATT	CGAGGGGGCG	GAGGGGGCGA	GGGGCGGGAG	GGGGCGAGGG	GCGGGAGGGGG
	151141	GCGAGGGGGCG	GGAGGGGGCG	AGGGGGCGGA	GGGGGGCGAG	GGCAGGGAGGG	GGCGAGGGGG
	151201	GGGAGGGGGC	GAGGGGGCGG	AGGGGGCGAG	GGGCGGGAGG	GGGCGAGGGGG	CGGGAGGGGG
	151261	CGAGGGGGCGG	GAGGGGGCGA	GGGGCGGGAG	GGGGCGAGGG	GGGGAGGGGG	GCGAGGGGGCG
55	151321	GGAGGGGGCG	AGGGGGCGGA	GGGGCGAGG	GGCGGGAGGG	GGCGAGGGGC	GGGAGGGGGC
	151381	GAGGGGGCGG	AGGGGGCGAG	GGGCGGGAGG	GGGCGAGGGG	CGGTGGTGGT	GCGCGGGCGC
	151441	CCCCGGAGGG	TTTGGATCTC	TGACCTGAGA	TTGGCGGCAC	TGAGGTAGAG	ATGCCCGAAC
	151501	CCCCCGAGGG	GAGCGCGGGA	CGCGCCGGGG	AGGGCTGGGG	CCGGGGAGGG	CTGGGGGCCG
	151561	GGAGGGCTGG	GGCCGGGGAG	GGCTGGGGCC	GGGGAGGGCT	GGGGCGGGGG	AGGGCTGGGG
	151621	CCGGGGAGGG	CTGGGGCTGG	GGAGGGCTGG	GGCTGGGGAG	GGGGCGGGTGG	TGTGTAGCAG
	151681	GAGCGGTGTG	TTGCGCCGGG	GTACGTCTGG	AGGAGCGGG	GGTGCGCGGT	GACGTGTGGA
	151741	TGAGGAACAG	GAGTTGTTGC	GGCGTGAGTT	GTGCGTGTGA	TTGTGTTGTTG	TGGCAGGTG
	151801	TGGTGGATGA	CGTGACCGTGT	GACGTGCGGA	GTGCGCCGTG	CTCTGTTGGT	TTCACCTGTG
	151861	GCAGCCCCGG	CCCCCCCGCG	GCGCGCGCGC	GCGAAAAAAA	GGCGGGCGGC	GGTCCGGGGCG

151921 GCGTGCAGCGC GCGCGGGCGG CGTGGGGGGC GGGGCCGCGG GAGCGGGGGG AGGAGCGGGG
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 5 152161 GGAGGAGCGG GGGGAGGAGC GGCCAGACGC CGAAAACGGG CCCCCCCCCA AACACACCCC
 152221 CGGGGGTCG CGCGCGGCC TTTAAAGCGG TGGCGGCAGG C

HUMAN HERPESVIRUS 2 (SEQ ID NO:110)

10	1 AGTCCCCGTC CTGCCGCGCG GGGGCGGGCG CGGGAAAAAA GCCGCGCGGG GGCGCCCGCG 61 GGAAGGCAGC CCCGCGCGC GCGGGGGGAG GGGCGCGGCC CGCGGGGGAG CGGGCGGCTC
	121 CGGGGGAGGG ACGGGGAAGG GGGCGCGCGG GGCTGCCCTG CGGCCCGCCC CGCGCCGCG 181 CCCGCCTTCG CGCCCCCCCC CAAAAAACAC CCCCCCGGGG GTTGAATCC CGGGGGGAAA
	241 AGAGGCGGGG CGGGAGTCCC CGTCCTGCCG CGCCCCCTTA AGAGGGCCCG CAACACGGCC 301 CGGGCTGCAGC ACGCCAGCGG GGACGGGTGA GTTCGCTAGG CAAGCACCGA CTGGCGGTTA
15	361 CACGTGCATG CGTGCCGAGT GAACTCTCCC GCCCGCACGC GCTCCGGCTC CGGGCCTACG 421 CCGAGCCCAG CGGCCGCCA TGTCCCGCC CGGGGGTCCC CGCCGCCGGG GTCCCCGGCG 481 CGGGCCGCGC CCCGGCGCTC CAGCCGTGCC GCGCCCGGGC GCTCCAGCCG TGCCGCGCCC 541 CGGCGCGCTC CCAACCAGCAG ACTCCCAAAT GGTCCCTGCG TACGACTCGG GAACCGCGGT
20	601 CGAGAGCGCG CGGGCCGCGT CCTCGCTCCT GCGCGCCTGG CTGCTGGTGC CCCAGGCGGA 661 CGACAGCGAC GACGCGGACT ACGCCGGAA CGACGACGCA GAGTGGGCGA ACAGCCCCC 721 GAGCGAGGGC GGGGGGAAGG CGCCGGAGGC CCCGCACGCC GCGCCTGCCG CGCCTGCC 781 CCCGCCGCCG CGCGCAAGG AGCGCGGGCC GCAGCGCCCC CTTCCGCC ACCTGGCGCT 841 ACGGCTGCAGC ACCACGACGG AGTACCTGGC GCGCCTGAGC CTGCGCCGGC GGCGGCCCC
25	901 CGCGTCCCCG CCCCGGGACG CGCCGCGCGG GAAGGTACGC CTCCCTCCG ACCCCCTGAC 961 GCCCCTCCGA CCCCCTGACG CCCCTCCGAC CCCCTGACGC CCCTCCGACC CCCTGACGCC 1021 CCTCCGACCC CCTGACGCC CTCGACCCCC CTGACGCC TCCGACCCCC GTGTCTCCCC 1081 GCCCGCAGGT GTGCTCTCG CGCGCGTGC AGGTGCGCCA TCTGGTGGCC TGGGAGACGG 1141 CGCGCGCCT GGCCCGACGG GGGTCCTGGG CGCGCGAGCG GGCGGACCCGC GACCGGTTCC
30	1201 GGCGCCGCGT GGCGGGCGGC GAGGCGGTCA TCGGACCGTG CCTGGAGGCC GAGGCCCGAG 1261 CTCGGGCCCG AGCCCGAGCC CGGGCCCCAGG AAGACGGCGG ACCCGCGGAG GAGGAGGAGG 1321 CGGGCGCGGC GGCGCGCGGG TCCCTCCGCG CGCGGGGCCG GGGCGTCGG CGGGTCTAGG 1381 GTTGAACCGG CGAGGGCGGC CTCGGCCGGC GGAGCCCCGG AGCTCGAAG GTCTGCGCA 1441 GGCGCTCTC CGAAGAGACG ATGGGAGCCC CGCGTATATA TCCGCGAGGG CCCGGCGCCG 1501 CCCCCCGCCT CGCCCGGCC CAGGGGGCGG CGCCGGCCAA CGCGCGCCCG CGCGCGGGC
35	1561 CGGAACTCCG CCCCAGCGAC CGCCCGCGC CGGCTTCCCG GTATGGTAAT TAGAAACTTT 1621 TAATAGGCAG TCCCGGCCGC CATCCCCGCG CATGGTAATT AGCAACTTT AATGGGCGGG 1681 CGTTCCCGCT CGCGGTAAATT AGCAGCTTT AACGGGCCGC CATTCCCGCT TATGGTAATT 1741 AAAAACGTTG GGACGGCCCC TCGCTCCCC CGTAATTACT CCCTCGGGGT TCCGGGTTAT 1801 GCTGATTACT TTCTTGGCAG AACACGCGA GCCTCGCGCG CGCGGGGTG GTGGGGCTGA
40	1861 TCGGGCCCTA TTGGTCCCCCT GGGCTTCCCTA GTATGCTAAT GAATTTTCC CGGGGGCGG 1921 GCACCACTCA GGGCGCGGCC GGGGGCGCG CGGGGGGACT CCCATCTGCC TCGGCGGGGG 1981 GCGGCGCATG CTAATGGGGT TCTTGGAGTA CACCCGGTTG GTCCCCGGGG ACGGGGCCGC 2041 CCCGAGAGGG GGGGATTCCCC TCCCTCCGCG CCCGCGGGGG CGCGCGGCTA TTGGGGGAAT
45	2101 CGTAAATGCC CCCCCTTTGG GGGAGTGGAT AGGCGCCGGG TATAAGGCAG CCCCCTGTGA 2161 CGGTCGGGCC GCATTCCGAC CCCGGCACTG CGAGOGACGG AGCGGGGCC CGGGGGGAGG 2221 AGGAGACCCG GAGAGACAGA GACTAAACCC CGGCAAGAGA GAGACCGCGG CGGCCGCT 2281 CGAGTCTACC CTACCCCGGC TCATGGAACC CGGGCCCGGC ACGAGCTCCC GGGCGGACCC 2341 CGGCCCGAG CGGCCGCCGC GGCAGACCCC CGGCACGGTG AGAGGGCGAC CCCCAGGTCT
50	2401 CAGGGCCCCC CTTTCCCCCG GACCACCCGG CTGCGGGTTG GGGGTGGTCG CGGGCGGTGG 2461 GCTGGGGGGC GGGGACGGCTT GACGGGGCGG ACCCCCGGCC CGCTTAAGCG GTGGGGGAC 2521 CCCCCGTGGGC CGTGCAGCGC CCCCCGACCC TCTGGGGGGG CGAGGGAGGC AGGGAGGAGC 2581 CCGAGAGCGG GGGACAGGGG GGGAGACGAG GGGTCGGAAT CCAAAGGACG CAGACCACT 2641 TTGGTTACGG ACCCCTTCT CCCCCCTTC CGAACAAAAA GCAGCGGGCG GGGGGCCGGG 2701 GTGAGGGAGG GACACGGGGG ACACGGCGCG GGGGTCCCGC CTCACGCCCG CGGCCCTCTA
55	2761 AATCCCCCCC GTGCTTTGT CAAGCAGCCC GCGGCCCGC ACGCCTGGG GATGCTAAC 2821 GACATGCAGT GGCTCGCCAG CAGCGACTCG GAGGAGGAGA CGGAGGTGGG AATCTCTGAC 2881 GACGACCTTC ACCGCGACTC CACCTCCGAG CGGGCGAGCA CGGACACGGA GATGTTGAG 2941 CGGGGCCTGA TGGACGGGGC CACGCCCGG GCGCCGGCCCC CGGCGAGCG CCAGGGCAGC 3001 CCCACGCCCG CCGACGGCA GGGATCCTGT GGGGGTGGC CGGTGGTGA GGAGGAAGCG

	3061	GAAGCGGGAG	GGGGGGCGA	CGTGTGTGCC	GTGTGCACGG	ACGAGATCGC	CCCGCCCCCTG
	3121	CGCTGCCAGA	GTTTCCCTG	CCTGCACCCC	TTCTGCATCC	CGTGCATGAA	GACCTGGATT
	3181	CCGTTGCGCA	ACACGTGTCC	CCTGTGCAAC	ACCCCGGTGG	CGTACCTGAT	AGTGGGCGTG
	3241	ACCGCCAGCG	GGTCGTTCA	CACCATCCCC	ATAGTGAACG	ACCCCGGAC	CCCGGTGGAG
5	3301	GCCGAGGCCG	CCGTGCGGGC	CGGCACGGCC	GTGGACTTTA	TCTGGACGGG	CAACCCCGCGG
	3361	ACGGCCCCCGC	GCTCCCTGTC	GCTGGGGGGA	CACACGGTCC	GCGCCCTGTC	GCCCCCCCCC
	3421	CCGTGGCCCG	GCACGGACGA	CGAGGACGAT	GACCTGGCCG	ACGGTGAGGG	CGGGCGGGGG
	3481	TCGGGCGGGG	GGCGGGCGGG	GGTCGGGCGG	GGGTCGGGCG	GGGTCGGGCG	GGGGGTCGGGG
10	3541	CGGGGGTCGG	CGGGGGTCG	GGCGGGGGTC	GGGCGGGGGT	CGGGCGGGGG	TCGGGCGGGGG
	3601	GTCGGGCACT	AACCAGGGGC	TCCCCTCTCT	GTCTCCCTCT	CGAGTGGACT	ACGTCCCCGCC
	3661	CGCCCCCCGA	AGAGCCCCCCC	GGCGCGGGGG	CGGCGGTGCG	GGGCGCACCC	GCGBAACCTC
	3721	CCAGCCCCGC	GCGACCCGAC	CGGCGCCCCC	TGGCCCCCCG	CGGAGCAGCA	GCAGCGGCCGG
	3781	CGCCCCGTTG	CGGGCGGGGG	TGGGATCTGG	GTCTGGGGGC	GGCCCTGCCG	TCGCGGCCGT
15	3841	CGTGCCGAGA	GTGGCCTCTC	TTCCCCCTGC	GGCCGGCGGG	GGGCGCGCGC	AGGCGCGGCCG
	3901	GGTGGGCGAA	GACGCCCGGG	CGGCCGGAGGG	CAGGACGCC	CCCGCGAGAC	AGCCCCCGC
	3961	GGCCCAAGGAG	CCCCCCATAG	TCATCAGCGA	CTCTCCCCCG	CCGTCTCCGC	GCCGCCCCCGC
	4021	GGGCCCGGGG	CCGCTCTCCT	TTGTCTCCTC	CTCCTCCGCA	CAGGTGTCTCT	CGGGCCCCCGG
	4081	GGGGGGAGGT	CTGCCACAGT	CGTCGGGGCG	CGCCCGCGC	CCCCGCGCGG	CCGTGCCCCC
20	4141	GCGCGTCCGG	AGTCCGGCCC	GCGCCGCCG	CGCCCCCGTG	GTGTCTGCGA	GCGCGGACGC
	4201	GGCCGGGCC	GCGCCGCCG	CCGTGCCGGT	GGACCGC	CGCGCGCCCC	GGTCGCGCAT
	4261	GACCCAGGCT	CAGACCGACA	CCCAAGCACA	GAGTCTGGGC	CGGGCAGGCG	CGACCGACGC
	4321	GCGGGGTGCG	GGAGGGCCGG	GCGCGGAGGG	AGGACCCGGG	GTCCCCCGCG	GCACCAAACAC
	4381	CCCCGGTGC	GCCCCCCACG	CGCGGGAGGG	GGCGCGGGCC	CGCCCCCGGA	AGAGGCGCGG
25	4441	GTCGGACTCG	GGCCCCCGGG	CCTCGTCTCTC	CGCCTCTTCC	TCCGCCGCC	CGCGCTCGCC
	4501	CCTGGCCCCC	CAGGGGGTGG	GGGCCAAGAG	GGCGCGCCG	CGCCGGGGCC	CGGACTCGGA
	4561	CTCGGGCGAC	CGCGGCCACG	GGCGCTCGC	CCC CGCGTCC	CGGGCGCCG	CGCCCCCGTC
	4621	GGCGTCTCCG	TCGTCCCAGG	CCGCGGTGCG	CGCCCGCTCC	TCCTCCTCCG	CCTCCTCCTC
	4681	CTCCGCCTCC	TCCTCCCTCG	CCTCCTCCCTC	CTCCCGCTCC	TCCTCCTCCG	CCTCCTCCTC
30	4741	CTCCGCCTCC	TCCTCCCTCG	CCTCTTCCTC	TGCGGGCGGG	GCTGGTGGGA	GCGTCGCGTC
	4801	CGCGTCCGGC	GCTGGGGAGA	GACGAGAAC	CTCCCTCGC	CCCCCGCGCTG	CTGCGCCCGC
	4861	GGGGCCGAGG	AAAGTGTCCA	GGAAAGACGCG	CCACCGCGAG	GGCGGCCCG	AGCCCCGGGGC
	4921	CCCGGACCCG	GCGCCCGGCC	TCACCGC	CCTGCCCATC	CGGGGGGTCT	CGAGCGTCGT
	4981	GGCCCTGGCG	CCTTACGTGA	ACAAAGACGGT	CACGGGGAC	TGCGCTCCG	TCCTGGACAT
35	5041	GGAGACGGGC	CACATAGGGG	CCTACGTGGT	CCTCGTGGAC	CAGACGGGA	ACGTGGCGGA
	5101	CCTGCTGCGG	GCGCGGCC	CCGCGTGGAG	CCGCGCACC	CTGCTCCCCG	AGCACGCGC
	5161	CAACTGCGTG	AGGCCCCCG	ACTACCGAC	GCCCCCGCG	TCGGAGTGGA	ACAGCCTCTG
	5221	GATGACCCCG	GTGGGCAACA	TGCTCTTGA	CCAGGGCACC	CTGGTGGCG	CGCTGGACTT
	5281	CCACGGCCTC	CGGTCGCGCC	ACCCGTGGTC	TCGGGAGCAG	GGCGCGCCCG	CGCCGGCCGG
40	5341	CGACGCC	GGGGCCACG	GGGAGTAGGG	GGAGCTAAC	CTCGGCTTGC	TGCCGAAGGG
	5401	AAGCCGCC	CCACCGGACC	ACCGGCCGAG	GCGCTCTGGG	GGCAGGGGGA	GGTGGGGGGG
	5461	GGGAAAGACG	GGGAGGAGAC	AGGAAGTGGG	GGTGGGAGTG	GGGGGGGGGG	ACGGACACGG
	5521	CCCCGAACAG	CAACACACAC	CAGCATTTTG	TTATGGACTT	TCTGGCCTTG	TTGAAAACCTT
	5581	GAGGAAAAAA	AAAACTTTAT	ATTTATAAAA	ATTTTACAAT	AAAGTTTGT	GATGTTTTG
45	5641	ACACACTTTG	TTGTTGCC	TTGATGCAGC	TCCCCCGCGC	AGGGGGGCCG	GGGATGGGGG
	5701	GGAAGGGAGG	AGGAGGAGGG	GGGGCGGGCA	CGAGAACCG	CCCCCACCCC	CGAGGCCTGT
	5761	TGGTCTTTAT	CATAGAACAG	AGCCGGGGCC	CGGCCCTCGT	CTGGCTCCCT	GTCTTGGTGG
	5821	GTGGGCGGGC	TGGCTGGCG	GTAAAAAAAG	AGTGTGTCCG	TGTTGACAGG	GAGGGGGGCC
	5881	CGATCGTGC	GAGCACCGAC	GTCTGGCCCG	CCAGACCGT	GGGGTGGTGG	GCAGGAGTGG
50	5941	GAGGGCGCCT	GGCTCGGGGA	GGGAGGAGGG	GGGGGGTCAG	CCGCACCA	GGCGCGAACG
	6001	CAGGGGCCAG	GGAACATTGA	TAGAGAGGGG	GGAAAGTGGG	GGGGGGCGA	GGGCGGTTGA
	6061	ATCACAAACG	ATGCACGCC	TCTGCC	GGGACGGGTG	GGAGGAAGGA	GGAGGGAGAA
	6121	GAGAAGACCC	GAGGCATGCA	CCCGCACTTA	CGCCCGTGC	CACCCCCGCC	CCGGCGCCCA
	6181	CCCCGCCCGC	ACACCTGCC	GCCACGCC	CCCCTCCTCA	CCCTGGCTGG	GAGAAAGGGAG
55	6241	GAGGAGCAGG	AAGAGGAGAC	CCGAGGCATG	CAACCGCACT	CACCCCCACCC	CGCCCGCACA
	6301	CCTGCCCGCC	ACGCCGCC	CTCCTTACCC	TGGCTCGGG	GAGACTCCA	TGGGGCGAG
	6361	GGGGCTCGCG	CGTTCGCAAC	ACCACACCAC	ACCACACGGC	CCACCAAC	ACGGCCAC
	6421	ACGACACAAC	ACGACACGAC	GGCTTTTGCG	GGGCATGCAA	GTCGACACAC	CGCGCGCGTG
	6481	CCTACCTTTC	CCTAGGGCC	CCGGCCCCCG	GCCCCTTCC	TTCCGCCACC	ACTACCACCA
	6541	CCCCCCCGCC	CGCGCCACG	CGGTAGAGGA	AGGGACGGG	CGCCACACCC	ACGGCTGTGG

	6601	CCGGGCACGC	GCCTTTGGGG	TTGTTGGGGG	GGGGTGACCG	GCGCGTGGGG	GCGGTGGGCG
	6661	TACGGGCCCG	ACCCGCGCCT	GCCCCCCC CGG	GAACGACGAC	GGGGGGGGGG	AAAACGGGGG
	6721	TGGGTGGAAG	GGAAGAGGAA	GGAGAAAGGG	GGGGTGGATC	CGAACACGCC	GGATCCGCGA
	6781	AAATAATAAC	AAAACAAACA	AAAACAGAAA	AAAAAACAAA	AACACCTAGA	AAAAAAAGGAT
5	6841	ACGGGTTGGC	TCGCGGGCGG	TGCGGCTGAC	CTGCGTGC	TTTCTGGGAC	CCCCGCCTCG
	6901	TGTTCTTGA	AAGGGGGAGG	AAGAACAGTT	CTCCCCCAAC	CCCTGCTCTC	TTCTCTCTTC
	6961	CGCCCGCCCC	CCCCCCCCTC	CCCCGCCGCC	TCAGCAGAAG	CTCACCTGTA	CGACCCCTAAA
	7021	CCTACCTGCG	AGAACCGCG	GGCGTCGAGG	GGCGCGCTCT	CTCACACAGAG	ACACACGCAG
	7081	GCGCCCCCCC	CCCCCGGAGC	CTGGGTCCCC	CGGCGGACGG	CTCACGCGGC	GCGGCGTCTC
10	7141	GGTGGGACGC	GGGCAAAGGG	CGGCGGCGGC	GGGGGGGGGG	GGGGGAAATG	TGAGGAGAGC
	7201	GAGACAGAGA	GAGAGAAGGA	AGAGGGAAAGG	GGCGCGGCCG	GACGGGGAA	GACGAGGGAGA
	7261	AGGGAAAGGGG	CGAGGGTCGG	GCCCCGGAGC	GGGGCGGCC	GGGAGGGAGA	AGAAAACGGAA
	7321	CGCGGAAACG	CCGCCGGCGC	GGCCCGGGGC	CCCGGGGCC	CCGCGCTCCG	CCGGGGGCC
	7381	GGGCCGGACC	GCCGGCGGG	GGACGCC	CGCCCCGGC	CGGGCGGCTA	CCCGGGACCC
15	7441	CCGGCCGGGA	ATCGAAAAAA	GCCTCCGGGG	GCCCCTTTCG	CGCCTTCG	GAACGCGCGG
	7501	CGCCGGAGGG	GGCGGCCGCG	GAGGTGCGGG	GGCCCCCTCCG	GCCGGGGCGC	ACCTCGGCGG
	7561	CCAAGCCCCG	GCCCCCGCGG	GGGTCCCCGA	GGCAAGAGGC	GGACCCCTCGG	AGGCGCGGAA
	7621	GAAGACGGGA	GGCGGGGGAA	AAAAGGGGG	AGAGAGGGGG	AGTAGGGAG	GGGAGAGGAG
	7681	AAGGGCGCGC	CGGTGCGCGG	AGCAGCCTTC	CTTCTCCGGA	GTCCCTCTCG	ATCGGCGGCC
20	7741	GGCCCTGCG	TTCGTTGCTG	CCGCGCCCCC	GGTTTTATAA	AGACAGGGAT	GACGCA
	7801	AAATGCCAC	AGCAACACGC	GGGCGGGGCT	CGGGCTCTCC	GGCGGCTTAA	TGGATCTCCG
	7861	GGCACGGCGC	CCGCAACC	AGAGCACTCA	GCTGGCGC	CCCCCCCCAA	CGTGGGAGTG
	7921	TTTAATGGAA	GGCGTGGGG	CCGGCCGCG	GATGCCCGCG	GGGGCCTAAT	GCGGCGGGAG
	7981	CGCTGGGCCG	CTGGCGCGC	GGCCCGTCTG	CTGGCCCGCG	GCCCCTCG	TGGCCCGCGG
25	8041	CCACGTAAAC	AATGACACAG	GGGTTCTCTC	CGCCGCGGCC	GGCGCGGGGC	TTTGC
	8101	CGGCCCGGCC	CCGGAGCCCG	CGGCGCTGCT	CGGCTGCGC	CGCGGGCTCC	GGGGGCTCCG
	8161	CACTCTGCC	GGCTCGCCCC	GTCCCCCTCT	TTGCTGCTT	TCCGCGCGC	TCTCTTCCC
	8221	GTTGCTTTCC	CTCTCCCCC	CCCCCCCCTC	CTCTCTCT	CTCTCTCT	CCGCCATCCT
	8281	CCCGCCCGGC	CGCCCAC	CCGCTCGGCC	TCTCCGGCTG	CGGTGCTTGG	GTCTCCTTCG
30	8341	TCGGCGGGCG	GGGGGGGGGC	GTCGGGACTC	GC	GGAGAATGGA	AGGCGAGGGG
	8401	ATGCAGGAGG	AGGATCGGG	CTCCCCATCT	TCTGCCCTTC	CATCCTCCGT	TTTTCCGCTT
	8461	TCCACCGCCG	CCGCCAC	CCCCCTTCC	TTCGCCCGCC	CGCCTCGCC	CGGACCCCTC
	8521	CCCCCCGTGT	TCCCCCATC	GTTCACCA	ACGCCCCC	CCGCGCCTTG	GCTGTTTGGG
	8581	GGGTGGCGGC	GGTGGTCGGC	GTGCTGCCGG	AGGCTGCGGG	CGCGGGGTAG	GTGGGTGGG
35	8641	GGGTGGTGGG	GGGGGGCCCG	GCTGCGTCTC	GCCGCGATCC	CGCCGGTGGG	GC
	8701	GGTGGGGGTG	GGGGGAGAGT	GTCGTGGGTG	TGTTTCTCG	TCCCCCACCA	CCACTCCCAC
	8761	CCCGACCGCC	GCGCGCCCG	CGTTTCTG	GCCCCCGCGC	TCCTGTGTGG	ACCCCGGGGT
	8821	GGGCGGGCGG	GGGGGGTGCC	GTGGGTGTGG	CGGCGGGGCG	CGGGCCGGGG	CCGGGGCTCG
	8881	CTGGTCCGCC	GAAGTAAAGA	AAAGATCGCC	ACCGTGTGTT	CGTCTGTG	TTCTGCGCGG
40	8941	CGCGGGGGCC	CCCCTGCCG	GGGGGGCGGT	GGGGCGGGGT	CGGGGTGCG	GC
	9001	AAGGAAAGAC	CCCGGAAGCG	CCGGGAGGGG	GCGCCGGCG	GACGCGGGCG	GC
	9061	GGCGCGCGGC	GGCCGGCGG	GGCGCGCG	CGGCCGGCG	GGGGCGCG	GC
	9121	GGGGCGCGCG	GGCGGCC	GGGGGGCGCG	CGGCCGGCG	GGGGGGCGC	GC
	9181	GGCGGGGGCG	CGCTTCCCC	GC	GGGGTTCCC	AAGACCTATC	ACGTGTGCGC
45	9241	AGGGGAGGGG	AGGACCGGG	GGAGGGGAGG	ACGCGGGGGA	GGGGAGGACG	CGGGGGATAT
	9301	ATAAAAGCGGT	AGAAAGCGC	GGAAATGGCA	TATTGGACCC	CGTGTATTG	GTTGCTCGCG
	9361	GTTGCTTGT	TTGGACGTT	TTATGCGGG	AAACAGGGG	CTTACCGGTT	ACACTGTCCG
	9421	CTCGCTATGG	GGTTCGTCTG	TCTGTTTGGG	CTTGTGTTA	TGGGAGCCTG	GGGGGGCTGG
	9481	GGTGGGTCAC	AGGCAACCGA	ATATGTTCT	CGTAGTGT	TTGCCAAAGA	GGTGGGGGAC
50	9541	ATACTAAGAG	TGCCTTGCAT	GCGGACCCCC	CGGGACGATG	TTTCTTGGCG	CTACGAGGCC
	9601	CCGTCCTGTTA	TTGACTATGC	CCGCATAGAC	GGAAATATTTC	TTCGCTATCA	CTGGCCGGGG
	9661	TTGGACACGT	TTTGTGGG	TAGGCACGCC	CAGAGGGCGT	ATCTGGTAA	CCCCCTTCTC
	9721	TTTGC	GATTTTGGG	GGACTTGAGT	CACTCTGTG	TTCCGGCGA	CACCCAGGAA
	9781	ACAA	CGACGC	GCCGGGCC	TTATAAAGAG	ATACGCGATG	CGTGGGGCAG
55	9841	GCCGTCAGCC	ACGCACCGT	CAGGGCCGGG	TGTGTAAACT	TTGACTACTC	ACGCACTCGC
	9901	CGCTGCGTCG	GGCGACCGA	TTTACGGCCT	GCCAAACACCA	CGTCAACGTG	GGAACCGCCT
	9961	GTGTCGTCGG	ACGATGAAGC	GAGCTCGCAG	TCGAAGCCCC	TCGCCACCA	GGCGCCCGTC
	10021	CTCGCCCTTT	CGAACGCC	CCCCACGGCG	GTCTCCCCGA	CGCGAGGTG	GC
	10081	ACTCGCCTCC	GACGCAACTA	GCCACGTCTG	CATCGCAAGC	CACCCCTGGGT	CGGGAGCAGG

	10141	ACAGCCGACC	CGTCTAGCGG	CCGGGTGGC	TGTCCAGCGT	CGTCGCCCTA	GAGGCTGTCC
	10201	GCCGGGCCTG	ATGTTTCCG	CATCTACGAC	CCCCGAACAG	CCCCTGGGC	TGTCGGCGA
	10261	TGCGACGCCG	CCCCTGCCGA	CTTCCGTGCC	CCTGGACTGG	GCCGCGTTTC	GGCGCGCGTT
	10321	TCTGATCGAC	GACGCCCTGGC	GGCCCCCTGTT	GGAGCCGGAG	CTCGCAACC	CCCTAACCGC
5	10381	GCGCCTCCCTC	CGGGAGTATG	ACCGTCGGTG	CCAGACCGAA	GAGGTGCTGC	CGCCGCGGGGA
	10441	GGATGTGTT	TCCTGGACGC	GGTATTGTAC	CCCCGACGAC	GTGCGCTGG	TTATCATCGG
	10501	GCAGGACCCG	TACCACCATC	CCGGCCAGGC	GCACGGCCTG	GCGTTTAGCG	TGCGTGCAGGA
	10561	TGTGCCGGTG	CCTCCGAGTC	TACGGAACGT	GCTGGCGGCG	GTAAAAAATT	GTTACCCCGA
10	10621	CGCGCGCATG	AGCGGCCGCG	GCTGCCCTGG	AAAGTGGGCT	CGCGACGGCG	TGCTGTTGTT
	10681	GAACACGACC	CTGACCGTCA	AGCGCGGGGG	GGCGCGTCC	CACTCCAAGC	TTGGATGGGA
	10741	CCGTTTTGTG	GGCGGGGTGG	TCCAACGGCT	GGCCCGCGC	CGCCCGGGCC	TGGTCTTTAT
	10801	GCTCTGGGGC	GCCCATGCC	AGAACCGCGAT	CAGGCCCGAC	CCTCGCCAAC	ACTACGTCC
	10861	CAAGTTTCT	CACCCGTGCG	CCCTCTCCAA	GGTCCCGTT	GGGACGTGCC	AGCATTTCCT
15	10921	CGCCGCGAAT	CGCTACCTCG	AAACCCGGGA	CATTATGCCG	ATCGACTGGT	CGGTATAAGA
	10981	TGCCGACATC	CGGGGTCTTG	ATTTACGAGG	GGGCAATTAA	TAAAGACTGT	TGATGGTTAA
	11041	ATCTCGGGTC	TCATACCGGT	CCGTGATGTC	GGGCGTGGGG	GAAGAGAGGG	TCCCTCTGC
	11101	GTTTACTATC	CTTGCCCTCGT	GGGGCTGGAC	GTTTGCACCC	CAGAACCATG	ATCCTGGCGC
	11161	GTCGCCGAAT	ACGACGCCA	TAGAGTCGAT	TGCGGGGAC	GCACCGGACG	CGCACGTGGG
20	11221	GCCTCTCGAC	GGAGAGCCG	ACCGGGATGC	GATCTCCCCG	CTTACGTCGA	GCGTGGCCGG
	11281	CGACCCGCCG	GGGGCGGACG	GCCCCTACGT	CACCTTGAT	ACTCTGTTA	TGGTATCTTC
	11341	GATCGACGAA	CTGGGGCGCC	GCCAGCTCAC	GGATACGATC	CGTAAGGACC	TGCGGCTGTC
	11401	GCTGCCAAG	TTCAGCATCG	CGTGTACCAA	GACCTCGTC	TTTCGGGG	CGGCCGCGCG
	11461	CCAGCGCAAG	CGCGGAGCAC	CGCCGCAACG	CACATGCGTA	CCACGCAAGCA	ACAAGAGCCT
25	11521	CCAGATGTT	GTTTGTGCA	AGCGCGCCAA	CGCCCGCGAG	GTGCGCGAGC	AGCTGCGGGC
	11581	GGTTATTCGG	TCGCGCAAGC	CGCGCAAGTA	TTACACGCCG	TCCTCGGATG	GGGGCTCTG
	11641	CCCGGCCGTC	CCC GTGTTT	TACACGAGTT	TGTTTCGTCC	GAACCCATGC	GCCTCCATCG
	11701	AGATAACGTC	ATGCTGTCTA	CGGAACCAGA	CTAACGACCC	CCGCCGTCCC	CTTCTTTTC
	11761	CCCCTACCC	TCCCCCGTTA	CTGATGTGTT	GTACGTTCA	ATAAAATAACA	CGTAGCTTAT
30	11821	TTTGTGAGGAT	GATGGATTGA	TTGATTTAT	TGACCGTTCG	TTCGCCCGC	GGTGCCGTG
	11881	CCGCGCGCAG	AGGGAATATG	CAAGCGGGCG	GGGTGGGGAG	GAAAGAAGGT	TTCAAGGTTCC
	11941	GGGGGTTGGG	TCTGCGCTGT	CCAGGGTGGG	GCTGATCTGA	ATTTCGGCA	GAACCTCGAC
	12001	CAGTAGGTCT	GTTGTGTTT	CTGGGAACTC	GCCCCCGTT	GGGGATAACGG	GGCGGGGGGG
	12061	TGTGGTCGGG	CGGACGTCCA	GGGGTGCCTT	ATCGCACCC	CGCGCCGCT	CGGGGGCGT
35	12121	CCCGTAGATC	GTTGCGGTGA	TGTAGATGGT	GTCCGGGGTC	CACACCACCG	TCAGGATGCC
	12181	GGCGCTCGCA	CTCCGGACGC	TTTCGCCGTG	CGATGAGCTG	ACCCAGGAGT	CAAAGGGTA
	12241	CGCGTACATA	TGGGCGTCCC	ACCA CGCCTC	CAGCCTCTGG	GTACTAGCGC	GTCTATAAA
	12301	GCGGTATGCG	CAAAATTCCG	CACGACAGTC	GATAATCACC	AGCAGCCGA	TGGGGGTG
	12361	TTGTATCACC	ACGCCTCCGC	GGGGCAGGGC	GTCCTGGCGC	GCTGACCCC	GCCTCAGAAC
40	12421	CGCGCGCGTC	CCTGACTCAA	ACACGTGCAC	CACCTGTGCC	GCCTCCGGCA	GCGCGCTCGT
	12481	TAGCGACGCC	CTGGGGTGAT	GTAGGCTGTA	CGCGATGGTC	GTCTGGGGT	TCCCCATGTC
	12541	TCGGGGGGGT	GGGGGTGAAT	GTCACCCGGC	CGGGGTGCGG	TGGGAACCGC	AGGGAATGGA
	12601	GGGTTAAATAG	ACAATGACCA	CATT CGGATC	CGCTAGAGCA	GATAGTATGT	GCTCGCTAAT
	12661	GACGTATCG	CGTTCGTGGC	GCTCCCGGAG	CGGGTTTAGA	TTCATGTGCA	GGAACTCGGA
45	12721	TGAGGTGGTG	CGGGACATGG	CTACGTACCG	GCTTTTAGG	CGCAGGTTTC	GGGGCGTGAA
	12781	GCATATGGCG	ACCTTGCCA	GACTGAGCCC	CTGGGAGCGC	GTGATGGTCA	TCGCGAGTTT
	12841	GGAGCTGATG	CCGTAGTCGG	CGTTGATGGC	CATGCCAGC	TCCGTGGAGT	CGATCGACTC
	12901	GACAAACTCA	CTGATGTTGG	TATTGACGAC	AGACATGAAG	CCGTGCTGGT	CCCGCAGGAC
	12961	GATGTAGGGC	AGGGGGGACT	CCTCCAAGAA	CTCGGCCACG	CCGGCCGTG	CGTCCGCC
50	13021	CCGCAGCTCC	TCCGCGAACG	CGAACACCCG	GGTGTACGTG	TACCCCATCA	GCCTGTAGTT
	13081	GTCCGCTGC	AGGGCCACGG	ACATCAGCCC	CCC CGCGCGC	GAGCCGGTCA	GCAGCTCGCA
	13141	GCCCCGGAAA	ATGACATTGT	CCACGTAGGT	GCTGAAGGGG	GCGCTCTCAA	ACACCTCCCC
	13201	GAAGAGCTCC	CGTAGGATAA	GGTATCGCCC	CAGAAAGGCC	CTCTTCAGGA	GCCCAAAC
	13261	GGCGTGGACG	GCCGCGGTGG	TCTCAGGCTC	TTCGAGGGCG	TAGTGGCAGT	AGAACACGTC
55	13321	CAGCTGCTGT	TCGTCCAGCC	CGCGAAGAGT	AACGTCAAGG	TCGTCGTG	GGAAAGTCGTC
	13381	CGGGCCCCCG	TCCC CGGGGC	CCAGGTGCTT	AAAATTGAAC	GCACGCTCCC	CCGGAGAGCG
	13441	GTCGCTGGTG	TCGGCGGCC	TGGTTGCCGA	TGCGCCGGCG	GCCTCCCGC	GTAGCGACAG
	13501	GAGTTCTGCC	GTCAGCTCCC	CTAGGCAGGCC	GTAGGCCAGG	GTCCTCTGGG	TCGCGTCCAG
	13561	GCCGGGGCGC	TGGAGAAAGT	TGTAAAAGTG	AATCAGCCCG	CCGAACATGA	GCCCGCACAG
	13621	GAACCGGTAG	GCGAACTCCA	CCGAGGTCTC	CCCCTGGGTC	TTCACGAAGC	TGTCGTGCG

	13681	CAGCACAGCC	TCGAAGGTCC	GAAACGTCCC	GTCGAACCCA	AACACCATCT	TTCGGAGGCG
	13741	CGCGGTCA	GCGACCTGGC	TGTTGAGGAC	GTACGTGATG	TCGTTCCGGG	CCACGACTAG
	13801	CTGTTGCTTG	CTGTGCACCT	CACAGCGCAC	GTGCCCGCG	TCCTGGTCCCT	GACTCTGGGA
	13861	GTAGTTGGTG	ATGCGACTGG	CGTTGGCCGT	GATCCACTTT	TCCATGGTCA	GC GTGGGTTG
5	13921	CTGCGTGAGC	CGTCGATACT	CGTCAAACCT	TTTGACCGAC	ACAAACGTGA	GCACGGGGAG
	13981	GGTAAACACA	ACAAACCTCCC	CCTCGCGAGT	CACCTTTAGG	TAGGCGTGGA	GCTTGGCCAT
	14041	GTACGCGCTG	ACCTCCTTGT	GGGACGAGAA	CAGCCCGTC	CACCCCGGAA	GGTTGGCCGG
	14101	GTTGGTGATG	TAACTTCCG	GGACGACAAA	GC GGTCACCA	AACTGCATGT	GCTCCTCGGT
	14161	GATGGGAAGG	CCGTACTCCA	GCACCTTCAT	GAGGTTCCCG	AACTCGTGT	CCACACATCG
10	14221	CTTGGTGT	ATGAAAATGG	CCCAGCTGTG	CGAGAGGCGC	GTGTACTCGC	GTAGGGTGCG
	14281	GTTGCAGATG	AGGTACGTGA	GCACGTTTC	GCTCTGCCGG	ACGGAGCATC	GCAGTTTTG
	14341	GTGTTCGAAG	GTGGACTCCA	GGCAGGGCGT	CTGGGTCGGC	GACCCCACGC	ACACCAGCAC
	14401	CGGCCGCAGG	CGGCCCGCGT	ACTGGGGGGT	GTGGTACAGG	GCGTTAACCA	TCCACCAGCA
	14461	ATACACCACG	GT CGTGAGTA	GGTGC CGCCC	CAGGAGCCCG	GCCTCGTCGA	TGACGATAAT
15	14521	GTTGCTGCCG	GTGAAAGCCG	GCAGCGCCCC	GTGTGTGACC	GAGGCCAGGC	GC GTGAGGGC
	14581	ACCCCTGGCCC	AGCCCCAAAG	TCTGCTCTAG	GGCGGTGAGG	GC GTGGAAC	CGTTTCGCGC
	14641	GTCTCGCCC	CCGTGCGCCG	CCAGGGCCCG	CTTGGTGTATG	TCGAGGATCA	CCTCCCAGTA
	14701	GTACGTCAGG	TCTCGCCGCT	GCAGGTCTTC	CAGCGAGGCG	GGGCTGCTGG	CCAGGGTGTA
	14761	CGGGTGCTGC	CCCAGCTGGG	CCTGGACGTG	ATTCCCGCGA	AACCCGAAC	CGT GAAAGAT
20	14821	GGTGGTGTATG	GGTCGACTCA	GAAACGCCCC	CGAGAGCTTA	ACGTACATGT	TCTCGGCCGC
	14881	GATT CGCGTG	GCGCCCGTGA	CCACGCAGTC	CAGGACCTCG	TTGAGGGTCT	GCACGCACGT
	14941	ACTCTTCCG	GATCCGGCGT	TGCCGGTGTATG	GAGATACGCC	GCGAACGGAA	ACTCCCGGAG
	15001	CGGCAGGCCG	GT CGGGACCT	CCAAGGCCGC	CACGTCCC	AACCACTGCA	GGCGCGGCAC
	15061	CTGCGTGACG	TCGAGCTGCT	GCTGCGAGAG	CTCTCGGATG	CGT GCGATGA	TTGGTTGGAC
25	15121	CCC GTGCATG	GACGTAAAAT	TTAAAAAACGC	CTCGTCCCTG	AACCGCACGG	CGGGTCTGGC
	15181	CCC GGGCTGC	TGTGGGGCG	GACCTGGTGC	CCGGACGTCC	CGCGAGCCT	CCCCGCCGGA
	15241	CGCGGCCATG	GCCGCACAGC	GGCGCGGGG	GCCGGCGATG	CGGACGCGGG	CGGGCGACGC
	15301	GGCGCTATGC	GCCCCCGAGG	ACGGCTGGGT	GAAGGTTAC	CCCACCCCCG	GGACGATGTT
	15361	GTTCCCGCAG	ATTCTCTCG	GGCAGATGGG	GTACACCGAG	GGTCAGGGGG	TGTACAACGT
30	15421	CGTCCGGTCC	AGCGAGGCCG	CCACCCGACA	GCTGAGGCG	GCGATCTCC	ACCGCCTCCT
	15481	CAACGCCACG	ACGTACCGGG	ACCTGGAGGA	GGACTGGCGC	CGCCACGTGG	TGGCCCGCGG
	15541	CCTCCAGCCG	CAGCGGCTGG	TTCGCAGGTA	CCGGAAACGCC	CGGGAGGGCG	ATATCGCCGG
	15601	GGTGGCCGAG	CGGGTGTTCG	ACACGTGGCG	ATGCACGCTC	AGGACGACGC	TGCTGGACTT
	15661	TGCCAACGGG	GTGGTAGACT	GCTTTGCGCC	GGGCGGCCCA	AGCGGACCGA	CCAGCTTCCC
35	15721	CAAATATATC	GA CTGGCTGA	CGTGTCTGGG	GCTGGTTCCC	ATATTGCGCA	AGACGCGCGA
	15781	GGGGGAGGCG	ACGCAGCGCC	TGGGGCGTT	TCTCAGGCA	CACAGCTGC	CCCGGCAGCT
	15841	GGCCACGGTC	GCCGGGGCCG	CGGAGCGCGC	CGGCCCCGGG	CTTCTGGATC	TGGCCGTGCG
	15901	GTTCGACTCC	ACGCGCATGG	CGGAATACGA	CCGCGTGCAC	ATCTACTACA	ACCATCGCCG
	15961	GGGGGAGTGG	CTGGTGC CGC	ACCCGGTCAG	CGGGCAGCGC	GGCGAGTGCC	TGGTGTGTG
40	16021	CCCCCCCCTG	TGGACCGCG	ACCGCCTGGT	CTTCGATTG	CCCGTTCA	GGCTGTGCC
	16081	CGAGATCGTC	CGGTGCCACG	CCCTCCGGGA	ACACCGCGAC	ATCTGCCGTC	TGCGCAACAC
	16141	CGCGTCCGTC	AAGGTGCTGT	TGGGGCGCAA	GAGCGACAGC	GAGCGCGGGG	TGGCTGGCGC
	16201	CGCGCGGGTC	GTCAATAAGG	CGCTGGGGGA	GGATGACGAG	ACGAAGGCCG	GCTCGGCCGC
	16261	CTCGCGTCTC	GTGCGGCTCA	TCA TCAACAT	GAAGGGCATG	CGCCACGTGG	GGCACATCAA
45	16321	CGACACGGTA	CGCGCCTACT	TGGACGAGGG	GGGGGGGCAC	CTGATCGACA	CCCCCGCCGT
	16381	CGACCA CACC	CTCCCTGGGT	TGGCAAGGG	CGGCACCGGC	CGCGGGTCG	GCCCCCAGGA
	16441	CCC GGGGGCG	CGACCGCAGC	AGCTTCGCCA	GGCGTTTCAG	ACGGCCGTGG	TCAACAACAT
	16501	CAACGGCATG	CTGGAGGGCT	ATATCAATAA	TCTCTTGGG	ACCATAGAAC	GCCTCGAGA
	16561	GACGAACGCG	GGTCTGGCGA	CCCAGCTGCA	GGCGCGCGAC	CGCGAGCTGC	GGCGCGCCCA
50	16621	GGCGGGGGCG	CTGGAGGGGG	AGCAGCGCG	GGCGGACCGG	CGGGCCGGGG	GAGGCGCGGG
	16681	CCGCCCCGGCG	GAGGCGGATC	TTCTCCGGGG	CGACTACGAC	ATTATCGACG	TCAGCAAGTC
	16741	CATGGACGAC	GACACGTACG	TGGCCAACAG	TTTCAGCAC	CAGTACATCC	CCCGCGTACGG
	16801	CCAGGACCTC	GAGCGCTGT	CGCGCCTCTG	GGAGCACGAG	CTGGTGGCGCT	GCTTCAAGAT
	16861	TCTCGGCCAC	CGCAACAA	AGGGCCAGGA	AACGTCGATC	TCGTACTCTA	GC GGGGGCGAT
55	16921	CGCCTCCTTC	GTGGCCCGT	ATTCGAGTA	CGT GCTTCG	GCCCCCGAG	CGGGCGCGCT
	16981	CATCACCGGGC	TCCGATGTCA	TCTCTAGGGGG	GGAGGAGTTA	TGGGAGGGCG	TCTTTAAGAA
	17041	AACCCGCCTG	CAGACGTACC	TGACAGACGT	CGCGGCCCTG	TCG TGCGCG	ACGTACAGCA
	17101	CGCGGCTCTG	CCCCGGCCCC	CCTCCCCAAC	CCCCGCCGAT	TTCCGGGCGA	GC GCGTCCCC
	17161	CGGGGGCGGG	TCCC GGTC	GGACCCGGAC	CCGATCCC	TCGCCC	GGAGC CGCAG

	17221	GGGTGCGCCG	GACCAGGGCT	GGGGCGTCGA	ACGCAGGGAT	GGCCGACCCC	ACGCCCGCCG
	17281	ATGAGGGAAC	GGCCGCCGCC	ATCCTCAAAC	AGGCCATCGC	CGGGGACCGC	AGTCTGGTCG
	17341	AGGTGGCGGA	GGGGATCAGC	AACCAGGCGC	TGCTGCGCAT	GGCCTGCGAG	GTGCGCCAGG
	17401	TCAGCGATCG	CCAGCCCGGG	TTTACCGCGA	CCAGCGTCCT	GCGCGTTGAC	GTCACCCCCA
5	17461	GGGGCGGGTT	GCGGTTCGTT	CTGGACGGGA	GTTCCGACGA	CGCGTACGTG	GCGTCGGAGG
	17521	ATTACTTTAA	GCGCTGCGGG	GACCAGCCGA	CGTATCGCGG	TTTTCGCGTC	GTCGTCCTCA
	17581	CGGCCAACGA	GGACCACGTG	CACAGCCTGG	CCGTGCCCGCC	CCTCGTTCTG	CTGCACCGGC
	17641	TCTCCTTGT	TCGCCCCACG	GACCTCCGGG	ACTTCGAGCT	CGTCTGCCTG	CTGATGTACC
10	17701	TGGAGAACTG	TCCCCGGAGC	CACGCCACGC	CCTCCGCTGTT	CGTCAAGGTG	TCGGCGTGGT
	17761	TGGGGGTCGT	GGCCC GCCAC	CGCTCTCCCT	TCGAGCGCGT	CCGCTGCCTT	CTCCTCCGCA
	17821	GCTGCCACTG	GATCCTGAAC	ACGCTAATGT	GCATGGCGGG	CGTGAAGGCC	TTCGACGACG
	17881	AGCTAGTCCT	GCCCCACTGG	TACATGGCCC	ACTACCTGCT	GGCCAACAAT	CCGCCCCCCC
	17941	TCCTCTCGGC	CCTGTTTGC	GCCACCCCGC	AGAGCTCTGC	GTTGCAGTTG	CCCGGGCCCG
15	18001	TCCCCCGCAC	GGACTGTGTG	GCCTATAACC	CGGCCGGCGT	CATGGGAAGC	TGCTGGAATT
	18061	CCAAGGACCT	CGGTTCGGCT	CTGGTGTATT	GGTGGCTTTC	GGGGAGCCCC	AAACGACGGA
	18121	CCTCGTCGCT	TTTCTATCGG	TTTGCTAAC	TCCGGAAAAT	AAACGTGTTT	TTTATGGAAC
	18181	GTTCCCCACC	TGTCGTGTCA	TCTCTGGGG	GATGGTGGTG	GGCCTGTGTG	TGTGTCTTGT
	18241	GCACCGAAGG	AGGAAAGTGG	GGGGGTGGTG	GTGCTGGTGG	TGGAAAGACA	TGATAGAGGG
	18301	AACAAAGAAA	TAGAAGAAAA	CCACAACCGG	CGCGTGCCAG	TAAATACGGA	CGCGCGCACA
20	18361	CGCGGGGGGT	AAGTTGGAGC	ACGGGGCCCC	GGTTTATTGA	CCAAATTCA	GGAAACACGAA
	18421	ACCGAATCTT	TTCATCGAAA	GGGTACACAA	AGCTCCCGCC	CTCGCCCCAC	ACGCCCTTCCA
	18481	GAACCCCCGT	AAACACCACT	TGAATCTCGC	GCAGGATCTC	CGCAGGTGA	TGGGCGCAGT
	18541	CCACGGGGGG	GAGCACCAAG	GGCCGCGGGT	ACAGATCCAC	GGGGACGCCG	ACCGACTCCC
	18601	CGCCCCCGGG	ACATACGCGC	ACGACGCGTC	TCCAGTATTG	CTCCGCGTCC	AGCAGGGCGC
25	18661	CTCCCGGGAA	GGCCGTTTGG	GGCAGGGGGT	CGTCGGCCTC	GCCTGGGGGG	GTCAGAACGC
	18721	TCCAGTACTC	CGCGTCCAGA	CGCCTCCCGA	AGGCATCCAG	GACAAAGCGG	TCACAGCGT
	18781	CCTCCATGAC	GCCCCGGGCC	GCGCACACGG	CCTCCCTCCGG	CGGGCCGGCG	GCCGGCCGCG
	18841	GGAGGATTG	TCTCAGCGCG	TCGCGCATAA	CCTCCGGCCGC	CGCGCGTAC	CGGGCCCCCGC
	18901	GGAGAGGAAA	TCCCTGAGG	AAGTCGGTGT	CATCCGCGGA	GTTCCAGAAC	CACGCCCCGG
30	18961	TCTGGCTCCA	GGTGACGACG	TGGGTGTAGA	CGCCCTCTGG	CGCCAGGGAG	GGGGCGAGGC
	19021	GCGGCGTAT	GGCGTTGGCC	GAAAGTACGG	CGCGCACCGA	CGCTCTGAGG	GCCCGGCGGG
	19081	CGTCTGGAT	CGCGCCGTGC	GGGGCGTCCG	CGTCCCCGGG	GTCCACGTTG	AACAGCCCC
	19141	AGAACGCAGC	CCC GTGCG	CCGCAGACCG	CAAACTTAC	CGAGCTGGCC	GTCTGCTCGA
	19201	TCTGCAGGCA	GACGGGGGCC	ATGACCCCCG	CGAGCAGCTG	CGGGAGCGCG	GGGCAGGGGT
35	19261	CGCACCGC	CGGCACCAAG	CGCTCCAGCA	CGGCCCGGGC	CCAGGGCTCC	GAGGGGGCGG
	19321	CCGCCACCA	CGCGTCAGC	CTTTCAGGC	CCGCCCGGCC	CGGGGCTTCC	GGCAGCCCC
	19381	CTTCCCCGAG	GCCCCGCGAGG	GGGGCCAGGA	GCTGGGCTG	GAGCCCCGGAG	AAACAAAACC
	19441	GCGCCGTCCA	GACGGGGCCG	ACGGCCGCCG	GGGGGTGAG	TAGTTGGATG	GTGGTGGCCG
	19501	TGGGGTGCCA	CCGCGCGACC	GCTTCCCAGA	AGGCGGGCAG	GAGGCGGGCG	GCCGCCTCCG
40	19561	AGGCCACGGC	CGGCCATGCC	CGCGGGGGCA	GGACGACCC	GGCGCCCCAC	GGGGCCAGG
	19621	CCCCCAGGCA	CGCGGCATGG	GTGGCGCGG	CGCCCCCGAC	CAGGTCA	CGCCGACTCGG
	19681	CGGGGGCGGC	GGCCGGCACG	GTAACACGTGG	GCCAGCCC	AAATCCCAGC	ACGGCAAAGT
	19741	AT'TGGACGGG	CCCTCCCCGG	ACCTCAAACC	CGGGCCCCAG	AAAAGCGAAG	ACGGGGGCCA
	19801	GGGCTCCGGG	GGCGGGCGTGG	ACCGTGGTAT	GCCACTGCCG	GAAGAGGGCG	ACCAAGCGCCG
45	19861	GGGCGGAGAA	CCC GTGCCG	GGCGTCACGA	AGTAGTCGTA	GCCCGCGGGC	AGCAGCACCC
	19921	GCGCCGTGAC	CCGCTGCGGG	TGTCCGCGGG	GCCGAGGCC	GACCTCGCAC	ACCTCGACCA
	19981	GGTCCCGCGA	GGCGCCCTCC	TTCTCTGGTCG	GCGGAAACGC	CAGGGTGGTG	TATTGCGCG
	20041	CAAAACGC	GGTCCTCGTC	GTGATGGTGA	CGGCGAGCGA	GGCGGAGGAC	GCGCACTGGG
	20101	GGCTGCGCG	AATGGCGGCC	AGGCGCGCCC	ACGCCAACCG	CGCGCCGGGG	TGCTCGCGA
50	20161	CGCGCGCGA	CAGGGCCAGC	GGGTGCGACGT	CGACCTTGGC	CTCCACGTCC	AGGAGGGCGG
	20221	CGCGAGGAGC	GGCCGGCGGG	CCCCACGACG	CCCTTTCGAC	CCTCACGACC	AGACCCGTCT
	20281	GCGGGGTCCA	GCCCAGGCCG	AGCGGGACGA	AGAGGGCCCA	CGGGCCCGTC	TGGCGCTCCA
	20341	GGGCCGCCAG	AACGCACGCA	TACAGCGCCC	GCCACAGGGT	CGGGTCCCC	AGGGGCTCCA
	20401	GCGGGGAGGC	GGCCGGGGCC	GTCGCGGCCG	GGGCGGCCG	GACGGCCCCG	GGGGCCGAGA
55	20461	CGTCGGGGGA	GCCGTAGAAG	TCCCTGAGGT	CGGACGAACC	AACGGACACC	TCCGCGAACG
	20521	GC CGCGCGC	CTCCCCCGCG	GGGTGCGCAG	AGACCAAGATA	CAGCAGGGCG	TGGAGGCAGT
	20581	CGCGCGTGC	CGGGGGCAGC	CATACCGCGT	ATAGGGTAAT	GGCGCTGACG	CTCTCCTCCA
	20641	CCAAACGAT	GCCGGGGGCT	TCCATGCCAC	GACGCCCGGG	GGTTGCCGTG	TATCGAACGA
	20701	GC GCGGCC	AGACTTATAG	GGTGCTAAAG	TTCACCGCCC	CCTGCATCAT	GGGCCAGGCC

	20761	TCGGTGGGAA	GCTCCGACAG	AGCCGCCCTCG	AGAATGATGT	CAGTGTGGG	CTGGGCGCCG
	20821	GAGGC GTGCG	TGCGCAAGCA	GCGCCCCCAC	GCGGGCGCGC	GCAGCTTGAA	GCCGCGGCC
	20881	GCAAACCTCC	GCTTATGGC	CATCAGCAGC	GCGTACAGCT	GTCTGTGCGT	CCGGCAGGCG
	20941	CTGTGGTCGA	TGCGGTGGC	GTCCAGCAGC	TCCACGATGG	CTCGCTTGGT	GAGGTTTTA
5	21001	ACGCGCCCG	CCCCGGAAA	CGTCTGCGTG	CTCTTGGCCA	GCTGCACCCC	GAACAGTTCG
	21061	CCCCAGATGA	TCTTGAACAG	CGACAGCGCG	TGCTCCGTCT	CGCTCACCGA	CCCGCGCGGG
	21121	GGGCAGCCGC	TCAGGGCGTC	GGCCACGCC	TTAACCGCGT	CCTCCGACAG	CAAGGGGCCG
	21181	TCGGTCACGT	TACAGTGGCC	CAGTTCGAAC	ACCAGCTGCA	TGTAGCGGTC	GTAGTGGGGG
	21241	TTCAGCAGCT	CCAGCACGTC	CTCGGGGCTA	AAGGTTGCC	CCGACCCCCC	GGCCATCGAG
10	21301	TCCCACGTGCA	GGCACGCGGC	CATGGTGCTG	CACAGACGGA	ACAGCTCCC	GACGGGGGCC
	21361	ACGTTTAGGG	TGGGGTGTAG	GGCCACAAGC	TCCAGCTCTC	CGGCGCGT	GATCGTGGGG
	21421	ATGACGCCCG	TGGCGTAGTG	GTCGTAAAGC	CGCCGGAAAGA	TGGCGCTGCT	ATGGGCGGCC
	21481	ATGGGGACGC	GAAGACAGGC	CTCCAGCAGC	ACCAGGTTAGA	TGAACCGCGT	GCGGCCGACC
15	21541	AGGCTGTTGA	GGCCGCGCAT	GAGCGCGACC	ACCTCGGCCG	GCGCAGCGTC	CGGCCGGAGG
	21601	TACTTTTCGA	CGAAAAGGCC	CACCTCCTCC	GTCTCGGCCG	CCTGGGCCGA	CAGGGACGTG
	21661	TCGGGGTCCT	GGCAGCGCAG	CTCCCGCAGA	TCCCGCTGGG	CCCTCAGGGC	ATCAAAATGT
	21721	ATCCCCCGCA	AAAACAGACA	AAAGTTCCCTC	GGGGTCAGCG	CGGCGTCGTG	GCCCCAGAAC
	21781	CGCACGTGCA	TGCAGTTGAG	GGTCAGAACG	ATGTGGAGGA	TGTTAAGACT	GTCCCGAGG
	21841	CACGCCAGCG	TGCACCTCTC	GAAGTAGTGC	TTGTACCGGA	ATTGCTGTGTA	GATGCGCAG
20	21901	CCCCGCGCCT	GCGCCGCGTC	GGCGTGCAGC	GCGTCGCAGC	GCCCTTTGAA	CCGGCGGCAC
	21961	AACAGGTTCG	TCACCTGGGA	AAACTGTGCC	GGCCACTGCC	CGCTGGCGCT	CACCACGTGG
	22021	TTGAGCAGCA	TGGGCGTAAA	GACGGGCTCC	GAGCGCGCCC	CGGACCCGTC	CATGTAGATC
	22081	AGCAGCTCCC	CCTGCGGAG	AGTCCGTACC	CGCCCCAGCG	ACTGGTACAC	GGACACCATG
	22141	TCCGGCCCGT	AGTTCATGGG	TTTCACGTAG	GCGAACATGC	TGTCAAAGTG	CGGCGGATCG
25	22201	AAGCTAAGGC	CCACCGTCAC	GACCGTTGTG	TAGATGACCA	CCCGGTACCG	GCCCCATGTG
	22261	GTCACGTGCG	CGGGCGGGGT	GAGCGAGTGG	AGCAGCAGCA	CGCGGTCCGT	AAACTGCCGG
	22321	CAGAACCTGG	CAACGACCTC	CGCGAAGGAG	ACCGTCGACG	AGAAGATGCA	GACGTTATCT
	22381	CCGCCGGGCCA	GGCGCGCCTC	CAGCTCCCCG	AAGAAGGTGG	CGTCCGGGGG	GGCGTCCGGG
	22441	GGGGCGGCC	CGCCCCGCCG	CCCCCGGCCG	CGCAGGGCCG	CCTGCAGGAC	CTCGGGCCCC
30	22501	AGGCGCGGGA	GAAACAGACA	ACGGCGCGCC	GAAAATCCGG	GCATGGCGTA	CTCCCCGATG
	22561	ACCACGTGAA	CGTTCTTTC	GCCCGGGAGG	CTGCACAGAA	AGTCCACCA	CTGCGCGTTG
	22621	GCGGTGGCGT	CCATGGCGAT	GATCCCGGGG	CACGTGCGCA	GCAGGCGCAG	CATCAACGCG
	22681	TCGACGCGGC	CCAGCTGCTG	CATCGTCGGC	GAGTACAGTT	GGCCCAACGT	CGACATGACT
	22741	TCGTCAGGAA	CGAGCACGTC	GTAGTTGTT	AACAGGTTCG	GGCCCACGCG	ATGAAGACTT
35	22801	TCCACCTGCA	CGATGAGACG	GTGGAAGGGG	CGGTCGTTCA	TGATGTAATT	GGTGGATGAG
	22861	AAGTAGGTGA	CGAACGCGGG	CAACCGTAC	TCAGCGAAC	CGCTGCCAG	GGTCTGAGTA
	22921	AAACTCCGAC	GACAGGAGAC	GACCAGCACA	CTCGTGTCCG	GAGAGTGGAT	CGCTTCCCCC
	22981	AACCAGCGGA	TCAGCGCGGT	AGTTTTCCC	GAGCCCATTG	GC GCGCGGGAC	CACAGTTACG
	23041	CACCGGGCCG	TCGGGGCGCT	CGCGTCCGGG	AAGGTGACGG	GTCCGTGTTG	CTGCGCTCG
40	23101	ATCGTTGTT	TCGGGGTGGAC	CCGGGGAAC	CACTCGGCCA	AATCCCCCCC	GTAAAGCATC
	23161	CGCGCCAGCG	ATACACTCGA	CGTGTACTGC	TCGCACTCGT	CATCCCCGAT	GGGACGCGGG
	23221	GCCCCCAGGG	GATCCCCCGA	GGCCGCGCCG	GGC GCGCGAC	TCGCGCCCG	GGCGCGGGCG
	23281	GCGTGGTGGG	TCTGGTGTGT	GCAGGTGGCG	ACGTTCATCG	TCTCGCCAT	CTGCGTCGTG
	23341	GGGCTCCTGG	TGCTGGCCTC	TGTGTTCCGG	GACAGGTTTC	CCTGCCTTTA	CGCCCCCGCG
45	23401	ACCTCTTATG	CGAACGGCGAA	CGCCACGGTC	GAGGTGCGCG	GGGGTGTAGC	CGTCCCCCTC
	23461	CGGTTGGACA	CGCAGAGCCT	GCTGGCCACG	TACGCAATT	CGTCTACGCT	GTTGCTGGCG
	23521	CGGGCCGTGT	ACGCCGCGGT	GGGCGCGGTG	ACCTCGCGCT	ACGAGCGCGC	GCTGGATGCG
	23581	GCCCGTCGCC	TGGCGGGCGC	CCGTATGGCG	ATGCCACACG	CCACGCTAAT	CGCCGGAAAC
	23641	GTCTGCGCGT	GGCTGTTGCA	GATCACAGTC	CTGCTGCTGG	CCCACCGCAT	CAGCCAGCTG
50	23701	GCCCACCTTA	TCTACGTCT	GCACTTTGC	TGCTCGTGT	ATCTCGCGC	CCATTGTTGC
	23761	ACCAGGGGG	TCCTGAGCGG	GACGTACCTG	CGTCAGGTTC	ACGGCCTGAT	TGACCCGGCG
	23821	CCGACCGCAC	ATCGTATCGT	CGGTCCGGTG	CGGGCAGTAA	TGACAAACGC	CTTATTACTG
	23881	GGCACCCCTCC	TGTGCACGGC	CGCCGCCGCG	GTCTCGTTGA	ACACGATCGC	CGCCCTGAAC
	23941	TTCAACTTT	CCGCCCCGAG	CATGCTCATC	TGCCTGACGA	CGCTGTTCGC	CCTGCTTGTG
55	24001	GTGTCGCTGT	TGTTGGTGGT	CGAGGGGGTG	CTGTTGCACT	ACGTGCGCGT	GTTGGTGGGC
	24061	CCCCACCTCG	GGGCCATCGC	CGCCACCGGGC	ATCGTCCGGCC	TGGCCTGCGA	GCAC TACCA
	24121	ACCGGTGGTT	ACTACGTGGT	GGAGCAGCAG	TGGCCGGGGG	CCCAGACGGG	AGTCCCGCGTC
	24181	GCCCTGGCGC	TCGTCGCCGC	CTTGCCCTC	GCCATGGCG	TGCTTCGGTG	CACGCGCGCC
	24241	TACCTGTATC	ACCGGGAC	CCACACTAAA	TTTTCTGTG	GCATGCGCGA	CACCGGGCAC

	24301	CGCGCCCAT	CGGCGCTTCG	ACGCGTACGC	AGCTCCATGC	GCGGTTCTAG	GCGTGGCGGG
	24361	CCGCCCGGAG	ACCCGGGCTA	CGCGGAAACC	CCCTACGCGA	GCGTGTCCA	CCACGCCGAG
	24421	ATCGACCGGT	ATGGGGATT	CGACGGGGAC	CCGATCTACG	ACGAAGTGGC	CCCCGACCAC
	24481	GAGGCCGAGC	TCTACGCCCG	AGTGCAACGC	CCCGGGCCTG	TGCCCAGCGC	CGAGCCCAT
5	24541	TACGACACCG	TGGAGGGTA	TGCGCCAAGG	TCCGGGGGG	AGCCGGTGT	CAGCACCGTT
	24601	CGGCGATGGT	AGCCGTTTCG	TTCGTTTTAA	TAAACCGACG	TTGTGCGTTT	CACCATACTT
	24661	CGGCGCGCGT	GTGTGTGTGT	TTTTTTTTTT	GTGGTGTGTTA	TTTTCCCCCC	ACCCCTTCCT
	24721	TTCTTTCGG	CCACCACCCC	CCTCCTCCCC	CGTACTATAC	AACAAAAAAT	ACCACACATA
	24781	CGACCAAATA	CGGACAATCA	TTTCTGTCTT	TATTCGCTAT	CAGAGAGTGG	GGCGTGTGAGC
10	24841	GTGGCAGGAG	GGCGGGCCAC	GTCGGGGTCC	CGCCGCTCTGG	TGTGACGCGA	TGGGGGGTCC
	24901	GATGCGCGCC	GGTACTGGGG	CCCCGGCGCC	CGGGTGACCA	CGCGCACGTC	GGGGGGCAGC
	24961	TAGAAGTTAC	CCTCTTCTTC	GGACTCGATG	TCCACGACGT	CAAATTGATG	GGCGGTCA
	25021	GAGACGACCT	CCCCGCCGTC	GGTGGGTGATG	ACGTTGTGTC	GGCAGCAGCA	GGGCCGCGCC
	25081	CCGGAGAACG	CGAGGCCCAT	AACTTGGCCA	GCGTATCGTC	GAAGGCCAGG	CGGCTGTTTC
15	25141	GCCGGATGTC	CCGGTAGATC	CCCGGCTCGA	CGCGGACGGG	GGTGATGATC	AGGGCGATCG
	25201	GAACGGCCTG	GTCCGGGAGG	ATCGATGCCT	TGGCGGGTCC	GGGGGCCCCG	CCAGGCCCGG
	25261	CGGGCGCTCC	GCAGGCGTCC	TCCAGGCGGA	ACGTCACGCC	CTCCCTCCGCG	CCCGCGCGGT
	25321	GCCTGCCGAG	GAACGTCACC	AGGTGCGGTT	GCAGGGGGCA	GTCGGGAAAG	TGGCTGTCGA
	25381	GGACGTATCC	CTGCACCAAG	ATCTGTTGA	AGTTGGGTG	GCGGGGGTTG	GCGAAGATGG
20	25441	GCTCGCGGCG	AACCAGCTCC	COGGAGCTCC	AGGCCACGGG	AGAGATGGTG	CGACGCTCAA
	25501	GGTCGGGGAC	GCCAAACAGA	AGCACCTCCG	AGACAAACGCC	GCTATTAAAC	TCCACCAGCG
	25561	CCCGATCCGG	GGCGGAGCAT	CGCCTTTTTT	CGCCGGCGGC	GCGGGAATCG	AGCCAGTCCC
	25621	GGTCCTGGGT	GACGAGCGCC	TCCTCCGGGC	CCGGAACGCG	CCCGGGCGCG	AAGTAGCGCA
	25681	CGCCGGGGTT	GGGGATGGAC	CGGATGAACG	CCCGGAACGC	CTCCGGCGAT	CGCCGCGCCA
25	25741	TCAGGTCCCTC	GTACCGGGAG	GCCGCGGGGG	CGCCGGGGTC	CGCGGGGTG	AACCGTACT
	25801	TGGCTCGGCA	CTTAACCTCG	TAGAAGGCCA	GGGGGGTCTG	GGGGGGGGGG	GCCAGGTAGC
	25861	CGTGAGGGTC	CCTGGGGCAC	ACGAGGATGT	CCAGGGACGC	CCCCACCATG	CCCGTGTGGC
	25921	CGTCATGAG	GACCCCGCAC	GGTGCACCGT	TCTCTCTCGGC	GAGGTCCCCG	GGTTGGTGAA
	25981	AGACGAAGCG	CCCGGCGTCG	GGTCGTCGCGT	TGACGCCCGC	GTCCGCGCG	CCACGCGAGT
30	26041	AGCGAAACAG	CAGGTTTCGG	GCCGTCGGCT	CGTTCACCCG	CCCGAACATC	ACCGCCGAGC
	26101	ACTGGCGTC	CAGCCGCGAG	CTGGCGTTGT	GGGTGAGGCCA	CTGGGACGAG	AAGCACGGAC
	26161	CCTGCGCGCC	CCACCGCAGC	GTGGAGGCGG	TCGTCAGGCC	CCGCCGAAGC	AGGGCCCGAGA
	26221	GCTGGCAGTC	GGCCTGGTT	TGCGTCGCGC	CCTCGTAAAA	TCCCATAAGC	GGCGGGGGGG
	26281	CGACGGCTTC	GGCGGGCGAC	GGGGGGGCCG	GGCGCGTCAG	GCGCCAGAGG	TGCCGGCCGA
35	26341	GCCCGCGGTC	CACCATGCCG	GCCGCCTCCA	GCGACACGAC	GAGGGAGCAC	AGATAGTCCA
	26401	GGCGAGCCCA	CAGGGGCCCG	ATGGCCAGAG	GGGAGCGGCAC	GCCGCGCAGC	AGGCCGCGCA
	26461	GGTGGCGCTC	GAACGTTTCC	GCCAAGATAT	GGGGGGGCAG	TGCGTTGGGG	ATCGCCGAGC
	26521	CCGACCCACAT	CGGGTCTGGG	TCCGGGGGAC	CGGGGCTGCA	GTCCGGGTG	ATGGCTGTTG
	26581	CGCCCCCCCG	CGAGAGGGGA	ATGTGCGGGG	TTGGCGGGCC	GGATGAGGCC	TCAGAGAGGG
40	26641	CCGGGGACGC	GGGCCGGGCC	TTTCGCCCCG	GGGCCCGGCC	GTCGGGTTG	CCACGTGGGG
	26701	GGCTCTGGGG	CCAATGGAA	CCCGGGGCC	CCGGTGACGT	GGGGCGGGGT	GGGGCGGGGC
	26761	GGGGCCCAA	GACGGTCGCC	AGATCTAGGC	TGTTGGGTG	GGGCGCCTTC	GGGGGACTAT
	26821	CGGGGTGCGC	GGCGGGGTCC	GGGGGGCGCT	TGGGCCGGG	TGTTGCGGCG	GCCGCCATT
	26881	TTACGAGCAG	CCGAAGAGCT	CGAGGGCGGA	AGGGATCC	ACGACAGAGA	GTGGCGCGC
45	26941	GCCGGGTTGG	CGTGACAGAG	GGGGGAGACC	AGCACCAAGCA	GCGGCCTCAG	CTCGGGCGGC
	27001	AGCGACACCG	ACGACAGGAC	GGCCTTGTG	GTGCGCTG	AATTATAC	CTGCTCCGT
	27061	AACCGCGCGC	GAATCTGGG	ATTGCGAAGG	TGGGCCGGA	TGCCCTCCGG	CACGTACATAC
	27121	GCCAGGCCGT	GGGTGTTGGT	CTCGGCCGAG	TTGACAAAGA	GGCGGGGTG	CAGAACGAG
	27181	CGATAGGCGA	GGAGGGCCAC	GGCAAAGTCC	GGCGAGAGCT	GGTTGTTAAA	GTACTGGTAG
50	27241	CCCAGGGACGC	GGGTACCGGG	GACGCCAGG	CTCGGGGCCA	CGTACACGCT	AACCAGCAGC
	27301	TCCAGCAGCG	TCTGCCAG	GGCGTAGAGA	TCGACCGCCA	GCCCGACGTC	GTGCTTCAGG
	27361	GGGCGGTTGT	TAAACTCGGC	CCGCTCGTTG	TTGAGGTACT	TTACCGAGAG	CTCCGGTGGC
	27421	TGGTTGTACC	CGTCCCCAC	CAGAGTGTGA	AAGTGGCCG	TGGTCAGGGC	GGCGGGCATC
	27481	CCAAACCCCC	GGGGGGACTC	GAGGTCCGGC	TCCTGGAGGC	AAAATGGCC	CCGGGATATC
55	27541	GTGGAGTTGG	AGTTCAAGG	CACCAAGGCTA	AAGTCGGCCA	GGACGGCCGG	CCGGAGCGAC
	27601	ACCGCGTCCG	ATCGCAGCAT	CACGAGGACG	TTGGCGCACT	TGATGTCCAG	GTGGCTGATC
	27661	CCGACACCTGG	TGTTCAAGGAA	CACCAACGGCG	CGCGCCAGGT	CTGTGAAGCA	GTGGTGGAGG
	27721	GCCGTGCGCA	CGGAGGGGGT	GGTCGCGCGC	AGGGACGCCA	GCTGGCCGAT	GTACTTGCCG
	27781	AGGTCCATGT	CGTACGCGGG	GAACACGATC	TGGCGCTG	GCAGCGAGAA	CCCGAGCGGG

	27841	GTGATAAAGC	CGCGGATGTC	GTGGGTGCGG	CCGCCGCGAA	GAGCGCACTC	CCCCACGAGC
	27901	AGGGTCGCGA	CGAGCTCCAC	GGCAAACAC	TCTTTTCCC	GGATGGTCTT	CACGGCGAGC
	27961	TTGTGTTCGC	GAATCAACTG	CACCTCGCCG	TACCCCCCG	AGCCCCCGAA	GCTGCGGGCC
	28021	CCGGGGATCT	CCAGGGTCGT	GTAGCGGAGG	GCGGGGTTGA	CGCGAATAC	GGGGATGCAT
5	28081	AGCTTGTGGA	TGCGCGCAG	GGACAGGATG	TGCGAGGGGG	GCGACGGGGG	CGAGGTCATG
	28141	GCCGCTCGG	ACCTGCGCAG	GGGCGGGCGC	CTTAGCTTG	CCGCAGGGCC	GGGGGCCTCG
	28201	GGGGACGAGC	GGCGACGAGA	CGAGCGGCTC	ACTCGCCATC	GGGACAGTCC	CGCGCGAAGC
	28261	CGCTCCCGGA	AGCTGGATCG	GGGGCGGGAC	CCGGGGCGGG	CTCCGGAGAC	GGCGCCGTCT
	28321	CGGGGGGAGG	GGCCGCTTGG	GGGTCCGGAC	GCCCCGGCGC	TGAGGGAGTG	TATGTAGGAC
10	28381	GCGAGCCAGG	CCTTGAAGGA	GGGTCCGGTGT	GCACCTTGGG	GGCTGATGTC	AGCTGCCACA
	28441	TGACTAGCAG	GTCGCTGTCG	CCCGGACTCA	TCCATCCGTC	CGCCAGGTGCG	CCGTCGGCGG
	28501	ACAGAGACGC	GTTCGCGCG	GCCTCTTCGA	GCTGCTCCTC	CTGGTCCGCA	AGACGATCGT
	28561	CCGCCGCGTC	CAGGCCTCG	CTAACGCGGG	GATCGAGGTA	CCGTCGGTGT	GCGGTTAGAA
	28621	AATCACGTCG	CGCCGCTTGC	TCTTCCACCG	GAATTAAAC	ACAGGTCGCT	CGCTGTCGCA
15	28681	TCATCTCTAA	GCAGCGCGG	GACTTTAGCC	GCAGCCTCCAA	TTCCAAGTGG	GCCGCCTTGG
	28741	CGGCCATAAA	GGCGCCAACA	AACCTAGGAT	CTTGTGTACT	CACGCCCTCC	CGGTGTAGCT
	28801	GCAGGGTCTG	GTCCCTGTAC	ACCTCGGCC	GGAGGGTGCCT	CTCGGCCAAA	CGTCGGCGCA
	28861	GGGCCGCGTG	GCTGGCGTCT	CGGCTCATCT	CGCCGCC	GCGCGCGCC	GACGTCGGAC
	28921	TCCTCGCCC	CGACCCCCCT	GACCTCAGCC	GCCCCCGCCT	CGCCCGCGAT	GTTGGCCAG
20	28981	CAGCTGGCGT	CCGACGTGCA	GCAGTACCTG	GAGGCCCTGG	AGAAACAGAG	GCAACAGAAG
	29041	GTGGGCGTCG	ACGAGGGCGTC	GGCGGGCCTG	ACGCTCGGCG	GCGATGCGCT	GCGCGTCCCT
	29101	TTTTTGGATT	TTGCCACCGC	GACGCCAAAG	CGCCACCAGA	CCGTGGTCCC	GGGGCGTCGGG
	29161	ACGCTCCACG	ACTGCTGCGA	GCACTCGCCG	CTCTTCTCCTG	CCGTCGCGCG	GCGGTTGCTG
	29221	TTAAATAGCC	TGGTGCCGGC	GCAACTCAGG	GGGCGTGA	TTGGGGGCGA	CCACACGGCC
25	29281	AAGCTGGAGT	TCCTGGCCCC	CGAGCTGGTG	CGGGCGGTGG	CGCGCCTGCG	GTTTCGGGAG
	29341	TGCGCGCCGG	AGGACGCCGT	GCCCCAACCGC	AAACGCCACT	ACAGGTCCT	GAACACGTTT
	29401	CAGGCCCTGC	ACCGCTCCGA	AGCCTTTCGG	CAGTTGGTTC	ACTTCGTGCG	GGACTTCGCC
	29461	CAGTTGTTGA	AAACCTCGTT	CGGGGCCTCT	AGTCTCGCGG	AGACTACGGG	CCCCCGAAG
	29521	AAACGGGCCA	AGGTGGACGT	GGCCACCCAC	GGGCAGACGT	ACGGCACCTT	GGAGCTCTTC
30	29581	CAGAAAATGA	TACTAATGCA	CGCGACCTAC	TTTCTGGCCG	CCGTGCTGCT	CGGGGACACAC
	29641	GCGGAGCAGG	TCAACACGTT	CCTGCGGCTC	GTGTTGAGA	TCCCCCTGTT	TAGGACACG
	29701	GCCGTGCGGC	ACTTCCGCCA	GCGCGCCACC	GTGTTTCTAG	TCCCCAGGCG	CCACGAAAG
	29761	ACCTGGTTTT	TGGTGCCCC	CATCGCGCTG	TCGCTCGCGT	CCTTCCGGG	GATCAAGATA
	29821	GGCTACACGG	CCCACATCCG	CAAGGCGACC	GAGCCC GTGT	TTGATGAGAT	CGACGCCTGC
35	29881	CTGCGGGGCT	GGTTTGGCTC	GTCCCCGGGTG	GACCACGTCA	AGGGGAAAC	CATCTCGTTC
	29941	TCGTTCCCGG	ACGGCTCGCG	CAGCACGATC	GTGTTTGCCT	CCAGCCACAA	CACGAACTGA
	30001	AGTACGCCTT	CCTCCCGCGG	TGCGTGTTC	CCCGGGTCCCG	CCCTCCCCGA	GATGACCGA
	30061	CAGACAAACA	CAGCCAGACG	CGAGTGTGGG	ACGACACGCC	CGCAGCCCC	CCCCCGCCAT
	30121	GGCGGGGGGG	AAGCTTACT	GTTTATTTGT	AATCGGACGA	TGAGGCTCTG	GCCACGGCCC
40	30181	GCGCGACCGC	GGGGCAGCTC	GTGCAAACA	GGCGGCTGGT	ATACGATGAC	AGAACGCGAGA
	30241	GGCGCCACCC	GGCGCTGGTC	GGGCGGATGA	CGCTTTCGC	GCCGTC	CCCACGACGA
	30301	CCTCGTGCAG	GTGGGCGTGT	ATGCGGGGC	GGCGGGTC	CTGCCGCA	ATAACCGCGT
	30361	CCACGGGGTG	CCCAGAGGG	AGCTGACACA	GGCTCGCGTC	CCCCCGGACG	GCCAGGGTGC
	30421	GCTGGGCCAT	ATTGGACAC	ATGACACGGG	CGACCGAGG	ACAGGCTCC	GCCACGGCGG
45	30481	GGGCGCGCCA	CAGCGCGTTG	GGGAATCGA	TGTGGCCGT	CGGGGCGCAG	GCGCCGCTC
	30541	CTCCGGGGGG	GTCGGTAATC	CTGGATAGCA	GCCATCCTAA	ATGGCGGGCC	CGGCTGCCG
	30601	GGGGACAGAG	CGACCCCAGG	TCATCATCCA	TGGCCCAGCA	GTATATGCGG	CCGCCGGGGGA
	30661	GGTGCCACCA	GGCCCCCGGA	CCCAAGGGCAC	AGCACGCC	GGATTGGGG	GCCGTGTCGG
	30721	TGGGTACCA	GTAGGCGCCG	TCGAGCTCGT	GGGCCACGGG	CTCGTCCGCG	AGCTGTTTCGG
50	30781	CGGCGGGGTC	GGGGGTTTCC	TCCGGGGGGG	AGGCAGCTTC	CAGGTGGCCG	AAGGCTAGGG
	30841	TGCACAGCAG	CGGGGTC	GGGTGCGTTA	CGCTGCGGAG	GTGGACGGTG	GCGCAGTAGC
	30901	GGCGCTCGCG	GTAAAGAAG	AAAATGGCAA	AGAACGTGTT	CGAAGGCAGG	CGCAGCGCCT
	30961	TGGGCCGCGT	CAGGTACAGG	AAGATCTCGC	AGAAAAGGGC	ACGCTCGGG	TCGGGGTCCG
	31021	GAAGGGCCAC	CTGGCACAGC	GGCTCGGTGA	GGACCGTGAG	GCACCGAAAA	ATCTTAAGCC
55	31081	GCTCGTCCCC	CCGAACGACG	CGCCACACGA	AGACAGAGT	GGCGATGCGC	GCGACGAGGT
	31141	CGGCTTCGGG	CCCCGGTGTG	GGGGCGCGCG	CGTCGGGGGG	GGCGCCCCGG	TGACCCGGCG
	31201	GGGCCGCGGC	TCCCGGGGGG	CCTGGCGTCG	CCTGGGGACG	CCAGAGTGCC	CGCTGTC
	31261	GGTTGGTGGT	GGGGAAGGGG	CCGGAGACGC	ACCAAAAGCA	GAGGGGCCAG	CGCGTGTATG
	31321	AGTTGGGGGG	GGGGTGGGTG	AGCGGTGGAA	CAAAAGCACG	CGTCAGCGGA	CAAGGCCGGG

	31381	TCCCGTAGCC	GCCCCGCGAC	AGAACCGGAG	TCCGACGGCA	CGCGCGACGG	GGTCTGCGAG
	31441	GCTGAGGTAC	GCGCGGGTGT	TAATGGTAAA	CGCAAAGCCT	CCCGGAAAGA	CCACTAGCCC
	31501	GCAGAGGC GG	CGATTGAACC	CAAGGCAGAG	GTACCGTAG	CTCTCTCCG	GAAGGTATTG
	31561	CTCGCAGACC	CTGTGTGGGG	CAGTGGAGGG	GCTGCCCTCC	ATGAAGCGAC	ATTACTCTG
5	31621	CTCGCGTCCA	TTGACGTAC	CGTCAATCAC	CACTGCGATT	GGACGGTTGG	TGAGGGCGCAG
	31681	CGTGTCTCCG	CTGGTGTGT	AGTAGTCAAA	CGCGTAGTGG	CGCTCGGAGT	CGGCGAAGCG
	31741	GGCGGGGATG	TCGTCGTGA	GAGGGACGAG	CCGCCGCCGC	CGCCCCCGAC	CGCCCTGGCC
	31801	GCCCAGATGC	GCCAGCACGG	CCAGGGCGTA	CGCGGTGTGA	AAGAACCGT	CGGGGGCGGT
	31861	CCCCTCGAGG	GCGCGCATCA	GGTTCTCCAG	GAGCACGGGG	AAGCGCCGCG	TCACCTCCCC
10	31921	TAGCCACTCG	CTCTGGTGGG	GGCCAAAGTC	GTAGCGCAGG	CGCTGGAAGA	TGCGCGGGCC
	31981	GCCTTGGAGC	CGGGCCCGGA	TAGAGTGGCC	CAGGGCCCGC	AGACACGCGA	TCTGGATGCC
	32041	CGCGACGAAG	GCCACCTCGG	CCGCGATGTC	AAAGGGCTGC	AGCACGGGGC	GCGGGTGGCG
	32101	CAGGGGTCCC	TCGAGCGCGG	GAAAGCGACG	CAGCAGCGCC	GTCTGGGCCG	CGGGGGACAG
	32161	CTGGTGGGGG	CGCACGACGC	GCTCGGCGGC	ACAGGCCTCC	GTCAGGGCCG	TGGCCAGCTC
15	32221	GGAGGACAGC	CGCGGGGGGC	GGGCGCGTCG	CCCGCCAAC	GCCACCGAAT	TCTCGTAGGA
	32281	GACGACGACG	AAGCGCTGCT	TGGTCCCGTA	GTGATGGCGC	AGGACACCGG	AGATGGAGCG
	32341	ACGGCTCCAC	AGCCAGTCGG	GCCGGTCGCC	GCCGGCCAGA	GCTTCCCACC	CGCGGTCCAG
	32401	CCACTCGACC	AGCGATCGCG	GCTTGGCGGT	CCCCGGCAGC	AGGGTGAGCA	CGTCGTTGAG
	32461	GACGTCTCG	CCCGCGGCC	GGGGGCCCCC	CCGGCTGGCA	AAGCGCCCCC	CGCCGGCGGG
20	32521	CTCCAGGCC	GCCAGCACCG	CCTCCCGCGTC	CGACCGCGCC	AGGGCTCCCC	CGCTGACGGC
	32581	CTGGTGGACC	AGGGCCCGCT	GGCGGAGCCC	CGAGGCAGC	CGGGAGGGCCG	CGTGCTTGGG
	32641	GCGCGCGCGG	ACCGGGTGGC	GGCGGGTGCAC	GTCCTGCACG	GCCCCGCTGG	CCAGCGCGAG
	32701	GATCTCCTCG	TTCTCTTGC	TGATGGACAC	GTCCTCCGCG	GTGGCCGTGT	CGCCTCCCGG
	32761	GGCCGTGAGC	TGCTCCTCCG	GGGAGATGGG	GGGGTCTGGG	GTGCCGACAA	CGGCCGGCCCC
25	32821	GGCCCCGCC	GAGACCGAGG	ACGCCCTGGG	AGTGGGGGTG	CCGCTTCCC	CCATCCCCAG
	32881	GGACAGGTGG	GCCGCCGCCT	CCGTCGCGGC	GGCGGGAGCC	CGGGCCCCCA	GCCGCGCGAC
	32941	GTAGCGACAA	AAGTGGCGAC	AGAGGCGCAT	GAGGCGCGC	CGTCGGCCG	CGTATCGCGT
	33001	GTGGCGGGG	ACGAGCTCGT	CGTAACGTAA	CAGGAGCACG	CGGGCACAGG	TCGCCCACGG
	33061	GCCCCACGCC	AGGCGCAGCG	CCGCGACCGT	GTACGGGTG	TACACGCC	GGCGTCGCA
30	33121	CGCGACCGGC	AGGGAGACGA	ACAGCCCGCC	CGCGCTGGG	ACGCGCGCA	GGAGGTCCGG
	33181	GTGCGCCGGG	ATGACGGGG	CTAGGATCGC	CCCCACCGCA	TCCGCCGCA	CGTAGGCGGC
	33241	AAACGCCGAA	CGCCACGGGG	TGCACTGC	GGTCCGCGT	GCCCCGGTCT	GGGTTTCGAC
	33301	CCGGAAGTTC	CGGGCCGCC	CACCGTCGGG	CGGGCCGCGC	ACGAGGGCGG	ACAGCGGGAC
	33361	CCCCGCCGCC	GCCAGGACT	CGCTGGAGAT	GATGACGTGA	ATCAGCGAGG	CGGGGCTGCT
35	33421	CGGGTCCC	GTGAGATCGT	ATTGGACCTC	GTTGGCAAAG	TGCGCGTCA	TGGCCCGGCC
	33481	GGCGGTGCGA	GCCCTTCCC	GTGCCGGAAG	GGCGGTGGG	GGGGGGTGC	TGTGCGCGTC
	33541	CTCGGGGCC	GCGGGCGCAC	GTGCGCTTAT	ACGCTGTGT	TTTCGTCGT	CCCCAGGGAA
	33601	TCCGGGGCCA	GGACTTTAAC	CTGCTTTTC	TCGACGAGGC	CAACTTATT	CGCCCGGATG
	33661	CGGTCCAGAC	GATTATGGG	TTTCTCAATC	AGGCCAACTG	CAAGATCATC	TTCGTCCTG
40	33721	CGACAACAC	CGGGAAAGGCC	AGCACGAGCT	TTTTGTACAA	CCTCCGCGG	GCCGCCGACG
	33781	AGCTGCTCAA	CGTGGTCACC	TATATATGCG	ACGACCACAT	GCCCGGGGTG	GTGACGCACA
	33841	CCAACGCCAC	GGCCTGTTCC	TGCTATATCC	TGAACAAACC	CGTGTTCATC	ACGATGGACG
	33901	CGCGCGTTCG	CCGGACGGCC	GATCTGTTTC	TGCCCCACTC	CTTCATGCAG	GAGATCATCG
	33961	GGGGCAGGC	CCCGCGAGACC	GGCGACGACC	GGCCCCGTCT	AACAAAGTCG	GCGGGGGAGC
45	34021	GGTTCTGCT	GTACCGCCCC	TCCACCA	CCAACAGCGG	CCTGATGGCC	CCCGAGCTGT
	34081	ACGTGTACGT	GGACCCGGCG	TTCACGGCCA	ACACCGCGC	CTCCGGCACC	GGCATCGCGG
	34141	TCGTCGGAG	GTACCGCGAC	GATTTCA	TCTTCGCC	GGAGCACTT	TTCCCTCCGCG
	34201	CGCTCACGGG	ATCGGCCCC	GCGGACATCG	CCCGCTCG	CGTGCACAGC	CTCGCCCGAG
	34261	TGCTGGCGCT	GCACCCGGG	GCGTTTCGCA	CGTGC	GGCGGTGAG	GGCAACAGCA
50	34321	GCCAGGACTC	GGCCGTGGCC	ATCGCCACAC	ACGTGCATAC	CGAGATGCAC	CGCATCCTGG
	34381	CCTCGGCGGG	GGCCAACGGC	CCGGGGCCCG	AGCTCCTCTT	CTATCACTGC	GAGCCGCC
	34441	CGGGCGCGGT	ATTGTACCC	TTCTTCTG	TCAACAAACA	GAAGACGCC	GCCTTCGAAT
	34501	ACTTTATCAA	AAAGTTCAAC	TCCGGGGCG	TCATGGCGTC	CCAGGAGCTC	GTCTCCGTGA
	34561	CGGTGCGCCT	CGACGACCGAC	CCGGTCGAGT	ATCTGTCCGA	GCAGCTAAC	AACCTCATCG
55	34621	AAACCGTCTC	TCCCAACACC	GACGTCCGCA	TGTACTCCGG	AAAACGCAAC	GGTGCAGCGG
	34681	ACGACCTCAT	GGTCGCGGTC	ATCATGGCCA	TTTACCTGGC	GGCCCCGAC	GGGATCCCC
	34741	CGGCCTTTT	TCCGATCACG	CGCACGTCTT	GAGTCTTCT	TGCCGTTCT	TTTGTCTC
	34801	TTTCTTCCC	CCCCTCTCTC	CGCAATAAAC	GCCTTCCC	AACTGTGTT	CCCCCCTAC
	34861	AACAGTGTG	TCCGTTGGTT	GGGTGGTTGG	GGTGCAGGGGG	TGGGCGGGGG	AAGCAAGAAA

	34921	ACGGTCGGCG	AACACAACAT	CGGGAAAACG	GATTCCCGCA	CGTGCCTCTT	CCCAGATTG
	34981	ACACACACAC	CCCCCTTCTC	CTTAAATAAA	CACAAACCAC	ACGCTCGTT	GTTGGTTAAT
5	35041	GCCAGCGCTT	TATTTACGTC	TTGTTTTTTT	TGCGTTCTCT	CCGGGGGTCC	CTTCCAACAA
	35101	CGCCTGCC	CGCCTCAGGG	GTAGCGGATA	ACCGGGGCCA	TGTCGCCGGA	TTGCACAACG
	35161	GCGGCGCCGT	CGAACGTACA	CACCCGAACC	GCCGGGGCCA	GGGCCAGGAT	GTCCCCGAGT
	35221	TGGCCCGCGT	GCGCCAGCCA	GGCGACCAGC	GCCTCGTAAA	GCGGCAGCCT	GCGTCGCCG
	35281	TCCTGCATCA	GCATGGGGC	TTCGGGGTGG	ATGAGCTGGG	CGGCTTCTCG	CGTGACGCTC
	35341	TGCATCTGCA	GGAGCGCGTT	CACGTATCCG	TCCTGGGCGC	TCAGCGCGAG	CAGCCGGGGG
10	35401	ATGAGCGTGA	GGATGAGGGT	GGTTCTTCG	GTTATGGAGT	AGACCATGTT	GAGGACGAGC
	35461	GACCGCAGCT	CGGTGTTAC	GGAGGCAGGT	TGCTGGACGT	CGGCCACGAG	CGAGAGACGG
	35521	GCCCCGTTGT	AATACAGCAC	GTTGAGGTGCG	GGGAGCTCCC	CGGGCGTCCG	GGGGTCGGGG
	35581	TTGAGGTCCC	GGATGCCCG	GGCGACCAGC	CGCGCGACTA	TCTCGCGGGC	CAGGGCGTT
	35641	GGGAGCGGGA	CCGGAAACCG	CAGCGTGAGG	TCCAGCGACT	CCAGGCGCAC	GTCCGTCGCC
15	35701	TGGCCCTCGA	AGACGGCGG	GACGAGGCTG	ACGGGATCCC	CGTTGCAGAG	GTGACGGGG
	35761	GAGGTGTTGC	GGAGATTGAC	GGTGCCGGCG	TGCGTGAGCC	CCAGGTCCAC	GGGGCAGGCG
	35821	ACGATTGCG	TGGGCAGCAC	CCCGCGTGATT	ACCGCGGGGA	AGCGCCTGCG	GTACGCCAGC
	35881	AACAACCCCA	ACGTGTCGGG	ACTAACTCCT	CCGGAGACGA	ACGATTCTGT	CGGCCACGTCC
	35941	GCGAGCGCCA	GCTGGCGCG	GATGGTCGGC	AGAAAAGACCA	CTCGACCCCTC	GCACCGCTGC
	36001	AGCGCCGCGG	CATCGGGCG	CGAGATAACCC	GAGGGGATCG	CGATGTCCTGC	TTCGAAACAA
20	36061	TCCGTGATCA	TGGGCCGGG	CCCGCGAGACA	CCGGAACGCG	GGGGTGCAGGG	AGGGCCGGAA
	36121	AGCGCAACGC	AACCGGGACG	ATGATGAAAC	AGAGATGGGG	GGCACCGACC	GTGTGGGAGA
	36181	GGGGGCGGGG	CAGGGCTCAG	CAGCACGCA	GGGGAGGTCT	GTCGTGCGCA	GGAGCCCGAG
	36241	GTGAGAATCA	GTCCCCCGGA	GCTCGGGTCT	GGGTTTTATT	GGGACCTGCC	CTCGGAATCG
	36301	CGGCTCCCAG	TCCAAGCCCC	CTTGGGGGGG	CGGGGGACAG	GGGGTGTGTG	TGGGTAAAAG
25	36361	CAACGTCGGA	AAATCAAACC	CAATGCCCA	AACAGGAAAA	AAAAAGACGG	GCGGGTGGAG
	36421	GGAAAAGCTGG	GGAAGAAGAA	GCCAATTITA	CAGAGACAGG	CCCTTTAGCG	GGGAGGCGTC
	36481	GTAGATGAGA	TACTGCGTA	AGTGGGTCTC	TCGCGCGTGG	GCCTCCCCAT	CGCAGGCGCT
	36541	GCGTAGCAGG	GCGGGGTCGC	TGGCGCAGGT	GATCGGGTAG	GCTTCCTGAA	ACAGGCCGCA
	36601	CGGGTCTTCC	ACGAGCTCGC	GGCACCCCCGG	CGGGCGCTTA	AACTGCACGT	CGCTGGCAGC
30	36661	GGTGGCCGTG	GATAACGCCG	ATCCCGTTTC	CACGATGAGA	CGCTCCAGGC	AGCGATGTTT
	36721	GGCCGTGATG	TCGGCCCGG	TGAAGAACTT	GAAGCAGGGG	CTGAGGACGG	GCGAGGCC
	36781	GTTGAGGTGA	TAGGCCCGT	TGTACAGCAG	GTCCCCGTAC	GAGAACCGCT	GCGACGCCA
	36841	CGGGTTGGCC	GTGGCCCGA	AGGGCCGCGC	CGGGTCGCTC	TGGCCGTGGT	CGTACATGAG
	36901	GGCTATGACG	TCCCCCTCCT	TGTCCCCCGC	GTACACGCCG	CGGGCCGCGC	GTCCCCCGGG
35	36961	GTTGCAGGGC	CGGCGAAAGT	AGTTGATGTC	CGTGGCCACG	GGGGTGGCGA	TGAACTCACA
	37021	CACGGCATCC	TGCCCCTGGT	CCATGCCGGC	GCGCCCGCGC	ACCTGGCGC	AGCCAAAGAC
	37081	CGGGAGGGC	TGGGCCGGC	CCAGCCGGTT	TCCCGCCACG	ACCGCGTTGC	GCAGGTACAC
	37141	GGCGGCCGCG	TTGTCTAGCA	GCGGGGGGGC	CCCGCGCCCG	AGGTAAAAGT	TTTGGGGAG
	37201	GTTGCCATG	TCCGTAACGG	GGTTGCGGAC	GGTCCCCGTG	GCCGCGACGG	CGGTGTAGCC
40	37261	CACACCCAGG	TCCACGTTTC	CGCGCGGCTG	GGTGAGCGTG	AAAGTTGACCC	CCCCGCCCGT
	37321	TTCGTGGCGG	GCCACCTTGA	GCTGGCCCGAG	AAAGTACGCC	TCCGACCGC	GCTCGGAAAA
	37381	CAGCACGTT	TCGGTCACGA	AGCGGTCTTG	CCGCACGACG	GTGAACCCGA	ACCCGGGGTG
	37441	GAGGCCCGTC	TTGAGCTGGT	GATACAGGGC	CACGGGGCTC	ATCTTGAAGT	ACCCCGCCAT
	37501	GAGCGCGTAG	GTCAGCGCT	TCTCCCCCGC	CGCGCTCTCG	CGGGCGTGT	GCACACAGGG
45	37561	CTGGCGGATG	GAGGAGAAGT	AGTTGGCCCC	CAGGCCGGG	GGGACCAAGG	GGACGTCGCG
	37621	CGCCAGGTG	CGCAGGGCCG	GGGGGAAGTT	GGGCGCGTTG	GCCACGTGGT	CGGGCGCCCG
	37681	AAACAGCGCG	TGGACGGCA	GGACGTAGAA	GTATTGCGCA	TTTTGGATGG	TGTGGTCCAG
	37741	GTGCTGGGGG	GCCATGAGCA	GCACGCCGGC	GTGCAGCGCC	CCGTGAAAGA	TGCGCATGTT
	37801	GGCCGTCGAC	GCGGTGTTGG	CGCCCCCGTC	GGGCGCCCG	GAGCACAGCA	GCGCCGTCGT
50	37861	GCGCTCGGCC	ATGTTGTGCG	CCAGCACCTG	CAGCGTGA	ATGGCGGGCC	CGTCGACGAC
	37921	GACGCGCCCG	TTGTGGAACA	TGCGCTTGAC	CGTGTGTTGGC	ACCAGATTGG	CGGGATGCGAG
	37981	CGGGTGGGGC	GGGTCGGTCA	CGGGATCGCT	CGGGCACTCC	TCACCGGGGG	CGATCTCCGG
	38041	GACCACCATG	TTCTGCAGCG	TGGCGTACAC	GCGGTCGAAG	CGGACCCCCG	CGGTGCAGCA
	38101	GCGCCCCCGC	GAGAAGGCCG	GCACCGACAC	GTAATAGTAG	ATTTTGTGGT	GGACGGTCCA
55	38161	GTCGGCCGGC	CGGTGCGGCC	GGTCGTCGGC	GGCGTCGGCC	GGCGGGGCCT	GGGTGTTGTG
	38221	CAGCAGCCGG	CCGTCGTTGC	GGTTAAAGTC	GGCCGTCGCC	ACGTTGCACG	CCGCCGCGTA
	38281	GACGGGCTCG	TGCCCCCCC	CGTCAATCCG	GCAGTCTCGG	TGGCGGTCCA	GGGCCGCGTG
	38341	TCGCATAAGG	CCGTCGCACT	CCCCACACGAG	GGGCGGCAGC	AGCGCCGGGT	CGCGCATCAG
	38401	GTGATTTCAGC	TCGGCCTGAG	CCTGCCCGCC	CAGCTCCGGG	CCCAGCAGGG	TAAAGTCGTC

	38461	CACCAAGCTGG	GCCAGGGCCT	CGACGTGGGC	CACCAGGTCC	CGATACACGG	CCATGCACTC
	38521	CTCGGGGAGG	TCGCCCGA	GGTAGGTCAC	GATGTACGAG	ACCAGCGAGT	AGTCGTTCAC
	38581	GAACGCCGCG	CATCGCGTGT	TGTTCCAGTA	GCTGGTGTATG	CACTGAGTCA	CGAGCCGCGC
5	38641	CAGGGCGCAG	AACACGTGCT	CGTTGCCGTG	AATCGCGGCT	TGCAGCAGGT	AAAACACCGC
	38701	CGGGTAGCTG	CGGTCCCTCGA	ACGCCCGCG	GACGGCGGCT	ATGGTAGCCG	GCGCCATGGC
	38761	GTGGCGGCCA	ACGCCGAGCT	CCAGGCCCCG	GGCGTCACGA	AACGCCACCG	GACACAGCGC
	38821	CAGGGGCAGG	TTGCCGTTGA	CCACGCGCCA	GGTGGCCTGG	ATCGCCCCCG	GACCGGCCGG
	38881	GGGGACTTCG	CCGCCGGGAA	GCTCGACGTC	GGCCACGCC	GCGAAGAAGT	CGAACGCGGG
10	38941	GTGCAGCTCC	AGAGCCAGGT	TGGCGTTGTC	GGGCTGCATG	AACTGCTCCG	CGGTCATCTG
	39001	GCACTCGGCG	ACCCACCGA	CCCAGGCCGTG	GGCGAGGCGC	TGCCGCCAGG	CGTTTCAGAAA
	39061	ACGCTGCTGC	ATGTCCCGC	CGGGGCCGGC	CGGGGCCCGC	ACGTACGCC	CGTACGGATT
	39121	CGCGGCCTCG	ACGGGGTCGT	GGTTCACGCC	CCCGACGCC	GCGTCGATGT	TCATGAGCGA
	39181	AGGATGACAC	ACGGTCCCAGA	CCCGCGTCTC	CATGGACAGC	CGCAGAACCT	GGTGGTCCTT
15	39241	TCCCCAAAAA	AACAGCTGCC	GGGGAGGGAA	CGCGCGGGC	TCCGGTGGC	CGGGGGCGGG
	39301	CACCAAGGTCC	CCGGCGTGCG	CGCGAAGCG	CTCCATGGCC	GGGTTGAACA	GCCCCAGGGG
	39361	CAGGACGAAC	GTCAGGTCCA	TGGCGCCAC	CAGGGGGTAG	GGCACGTTGG	TGGCGGCCGA
	39421	GATGCGTCTC	TCCAGGGCCT	CCAGGAAGAC	CAGCCTGTCG	CCTATGGCCA	CCAGATCCGC
	39481	GCGCACGCGC	GTTGCTGGGG	GGGCCTTTC	GAGTTCATCC	AGCGTCTCCC	GGTTGCGCTC
20	39541	GAGTTGCTCC	TCCTGCATAT	CCAGCAGGTG	GCGGCCCCACG	TCGTCCAGGC	TCCGCACGGC
	39601	CTTGCCCATC	ACCAGGCCCG	TGACGAGGTT	GGCCCCGTT	AAGACCATCT	CGCCCGTAGGT
	39661	CACCGGCACG	TGGGCCCTCGG	TGTCCTCCAC	CTTCAGGAAG	GACTGCAGGA	GGCGCTGTT
	39721	GATGGCGGCC	GTGGTGACCA	GCACCCCGTC	GACGGGCC	CCCGCGCTGT	CGGCGTGCCT
	39781	CAGGGGGGGC	ACGGCCACGG	ACGGCTGCGT	CGCCGTGGTC	AGGTCCACGA	GCCAGGCCCTC
25	39841	GATGGCCTCG	CGCGATGGC	CCGCCTTGCC	CAGGAAGAAG	CTCGTGTGCG	AAAAGCTCCG
	39901	CTTCAGCTCG	GCGACCAGGG	TCGCCCCGGG	AACCTGGTC	GCCAGGCGCC	CGTTGTCGAG
	39961	ATATCGTTGC	ATGGGCAACA	GCAGGGCCAG	GGGAGGCGCC	TTCTCCAACA	GCACGTGCA
	40021	CATCTGGTCG	GCCGTGCCGC	GCTCAAACGC	CCCCCAGGACG	GCCTGGACGT	TGCGCGCGAG
	40081	CTGCTGGATG	CGCGCGACGT	GGCGATGCA	GCTAATGCC	GTCCCGTCCA	GGGCCTCCCC
30	40141	CGTGAGCAGG	GCAATGGCCT	CGGTGGCCAG	GCTGAAGGCG	GCGTTCAAGG	CCCGGGCGTC
	40201	GATGACCTTC	GTCATGTAAT	TATGCACGGG	CTGCTCGACG	GGGTGCGGGC	CGTCGCGGGC
	40261	GATGAGGGGC	TGGTGGACCT	CGAACTGCA	ACGCCCTTCG	TTCATGTAAG	CCAGCTCCGG
	40321	GAACTTGGTG	CACACGCCAG	CCACGGACAG	GCCGAGCTCC	AGAAAGCGCA	CGAGCGACAG
	40381	GGTGTGCA	TAGGACCCCA	GCAGGGCGTC	AAACTCTACG	TCATACAGGC	TGTTTCGTC
35	40441	GGAGCGCACG	GCGGCGAAAAA	AATCAAAGAG	TCTGGGTTGG	GACGCCACCT	CGATCGTACT
	40501	CAGGATGGAG	CCGGTGGGCA	GGATGGCCGC	GGCGTACCGG	TAACCCGGGG	GGTCGCGGGC
	40561	AGGAGCGGCC	ATTGGGTTCC	TTGGGGGATT	CGCAGGCTCC	ATCAAGCCGA	GCTCGGGAAAG
	40621	GCCAAGCCCC	TCCCGCACAA	CGCCTCACCG	CGGGCGGACG	CGACTAACAA	CCCACGGGCC
	40681	GCCAAAACCC	CAAGGGGCAA	CCCGACCAAC	AACAGGCGAG	GGGAGGAAAG	GCGTAAAGGG
40	40741	GGCGTTGGGA	GGCAAAAAGA	AAGAAAACAC	CCAGACGTAG	GCCCGAGGAC	CGGCCGGCGT
	40801	CCTCTGTCCC	CGAGCACCCA	CTGTGCCAA	CAGGCACGGG	GGCGAGCTGC	CCCTGCCTTA
	40861	TATACCCCCC	CGCCACACCC	CCGTTAGAAC	GCGACGGGTG	CCTTCAGAT	GGCCCTGGTC
	40921	CAAAAGCGTG	CTAGAAAAAA	GTGGTAAAG	GCGGCAAAGC	AGTCCGCC	CGCCACCCAC
	40981	ATGGCGGC	CGGCCGCGCA	GGCGATTCCC	AGAGAACGGG	CGCGGAGGGG	ATCCGTGCG
45	41041	GGCAGCAGCT	GGCTGGCGGT	GATCCAATGG	AAAAGCCGT	CGGGACTGAA	CGTCTCATGG
	41101	GCGGCCGCCA	CCAGGGCGCA	CAGGGCGCG	CCGCCCCATGA	TCACGCACAA	CCCCCAAAAC
	41161	ACGGGTGGCG	ACAACGGCAG	GCGATCCCGT	TTGATGTTCA	CGTACAGGAG	GAGGCGCCCGT
	41221	GCCAGCCACG	TGACATAGTA	GGCGAGGACG	GCGGTATAA	TACATGCC	CGCCACCGCC
	41281	CGTCCGGTCC	ACCCGTAATA	CATGCCCGCG	GCCACCAGCT	CCAGCGGCTT	GAGGACCAAG
	41341	AACGACCAAG	CAAACATCAC	CACCCGCTTG	GAAAAGACCG	GCTGGGTTGTG	GGGCGGAAGA
50	41401	CGCGAGTAGG	CCGAACGTAC	AAAAAAATCA	GACGTGCCGT	ACGAGGACAG	CGAAAACGT
	41461	TCATCGAGCG	GCAGTTCTCC	GTCCTCCCCG	CCACACGCC	CCTCGTCTAC	CAGCTCGCGA
	41521	TCCAACAAAG	GAACATCATC	CCGCATTGTC	ATGGTCGGTG	CGGGGAGCCG	GCGAGGCAGC
	41581	AAAACCGAAA	GTAGTGTG	CGGCAGGGGG	CCGGGTCCGG	ACCCAAGCTT	CAGGGATGGG
	41641	GGGCGGAGGC	CAAATCAA	CAAGCACCGC	GCGGGTTCTA	CACACAAACCC	CCACCCGGGT
55	41701	AGTATCCGCG	GATGCGAGTG	CCTGGCGAAG	TCACGGTCCA	GCAGGATATA	AACCTCGGCC
	41761	GTTGGGCCCG	GAACCCCGA	AATTACACACC	CACGCCCTGA	CGCCCAAAATC	ATGGGTGGAT
	41821	GTGGTTCGCG	AGCCGCACAT	CCGTGCGTC	GCCCTCCCCC	GCGGGCTGAT	GACGTGGCG
	41881	TTAGTCAGTG	GGAAAGGCAGG	GGAAAGAGATG	GGTTGGGGGA	GGAAACGAAG	AAAACACCCA
	41941	GAGGGCCACG	TCGGGAATGC	GCCCCGGAGTT	GTCCTAAAA	GGCCGGCCGT	CGGTGACGGA

	42001	AGCCGTCGTT	TGCCCAAGCA	CCGACGCCGC	GATCCACAGT	GGGGGGAGTT	CCTCCGTCCG
	42061	GCCACAACCC	TACGCGCGG	CGGCACGCGC	GAGAGCAACC	CACGGGTCCC	GTTCGCGCCA
5	42121	CCGCCAGCCC	TTGCTCCAC	CACCCTCCTC	CCACCACCCC	ACTATTCCCC	CCCCCAAGTC
	42181	CGCCCCGTGG	CTCGCCGCC	ATGGAGCTCA	GCTATGCCAC	CACCCTGCAC	CACCGGGACG
	42241	TTGTGTTTTA	CGTCACGGCA	GACAGAAACC	GCGCCTACTT	TGTGTGCGGG	GGGTCCGTTT
	42301	ATTCCCGTAGG	GCGGCCTCGG	GATTCTCAGC	CGGGGGAAAT	TGCCAAGTTT	GGCCTGGTGG
10	42361	TCCGGGGGAC	AGGCCCAAA	GACCGCATGG	TCGCCAACTA	CGTACGAAGC	GAGCTCCGCC
	42421	AGCGCGGCCT	CGGGGACGTG	CGGCCCGTGG	GGGAGGACGA	GGTGTTCCTG	GACAGCGTGT
	42481	GTCTGCTAAA	CCCGAACGTG	AGCTCCGAGC	GAGACGTGAT	TAATACCAAC	GACGTTGAAG
15	42541	TGCTGGACGA	ATGCCTGGCC	GAATACTGCA	CCTCGCTGCG	AACCAGCCCG	GGGGTGCTGG
	42601	TGACCGGGGT	GCGCGTGC	GCCGCGAGACA	GGGTCACTCGA	GCTATTGAG	CACCCGGCGA
	42661	TCGTCAACAT	TTCCCTCGCG	TTCGCGTACA	CCCCCTCCCC	CTACGTATTC	GCCCTGGCCC
	42721	AGGCGCACCT	CCCCCGGCTC	CCGAGCTCGC	TGGAGCCCT	GGTGAGCGGC	CTGTTGACG
20	42781	GCATTCCCGC	CCCGCGCCAG	CCCCCTGGACG	CCCGCGACCG	GCGCACGGAT	GTCTGTGATCA
	42841	CGGGCACCCG	CGCCCCCAGA	CCGATGGCCG	GGACCGGGGC	CGGGGGCGCG	GGGGCCAAGC
	42901	GGGCCACCGT	CAGCGAGTTC	GTGCAAGTGA	AGCACATCGA	CCGTGTTGTG	TCCCCGAGCG
	42961	TCTCTTCCGC	CCCCCGGCCG	AGCGCCCCCG	ACCGAGTCT	GCCGCCCGCG	GGGCTCCAGG
	43021	AGGCCGCCCC	GCCGGGGCCC	CCGCTCAGGG	AGCTGTGGTG	GGTGTCTAC	GCCGGCGACC
25	43081	GGGCGCTGGA	GGAGCCCCAC	GCCGAGTCGG	GATTGACGCG	CGAGGAGGTC	CGCGCCGTGC
	43141	ATGGGTTCCG	GGAGCAGGCG	TGGAAGCTGT	TTGGGTCGGT	GGGGGCTCCG	CGGGCGTTTC
	43201	TCGGGGCCGC	GCTGGCCTG	AGCCCCGACCC	AAAAGCTCGC	CGTCTACTAC	TATCTCATCC
	43261	ACCGGGAGCG	GCGCATGTCC	CCCTTCCCCG	CGCTCGTGC	GCTCGTGGT	CGGTACATCC
	43321	AGGCCACCG	CCTGTACGTT	CCCGCGCCCG	ACGAACCGAC	GTTGGCCGAT	GCCATGAACG
30	43381	GGCTGTTCCG	CGACGCGCTG	GGGGCCGGGA	CCGTGGCGA	GCAGCTCTC	ATGTTGACCC
	43441	TCCTCCCGCC	CAAGGACGTG	CCGGTGGGGA	GCGACCGCG	GGCCGACAGC	GCCGCCCTGC
	43501	TGCGCTTTGT	GGACTCGCAA	CGCCTGACCC	CGGGGGGGTC	CGTCTCGCCC	GAGCACGTCA
	43561	TGTACCTCGG	CGCGTTCTG	GGCGTGTGTT	ACGCGGGCCA	CGGACGCTG	GCCGCGGCCA
	43621	CGCATACCGC	GCGCCTGACG	GGCGTGACGT	CCCTGGCTCT	GACC GTGGGG	GACGTGACCC
35	43681	GGATGTCCGC	GTTTGACCGC	GGGCCGGCG	GGGCGGCTGG	CCGCACGCGA	ACCGCCGGGT
	43741	ACCTGGACGC	GCTGCTTACC	GTTTGCTGG	CTCGCGCCA	GCACGGCCAG	TCTGTGTGAG
	43801	ATATCCAAT	AAAGTGCAGT	CGTTTTCTAA	CCCACGGATG	CCGTTGTATG	CCTATACGGG
	43861	GGACTATGGG	GGGGGAAAGG	AAAGGAAACA	GGAATGGAGA	AGGGAAAGGA	ACAGAGGCGG
	43921	TAGCGGACGC	ACGGCGGACA	CAATAACAAA	CAGACCGCGG	ACACGGAGGG	AGTCGGTTGG
40	43981	GTTGGGCGTG	GACGCCGCTG	CGTCCACACA	CCCGTTTATT	CGCGTCTCCA	AAAAAATGGG
	44041	ACGCACGTT	GGACCACCT	AAGGATGCC	GCCAGGGCCG	CGGTAATCAT	AACGACCCCC
	44101	AGCGCGGACG	CGGCCAGAAA	CCCGGGGGCG	ATGGTGGCGA	TGGGCAGCGT	GTCAAAGGCC
	44161	AGCAGATGAA	TCACAGTCC	GTTGGGAAAC	AACAAACAGGG	CCACGGACGG	CACGTGCTG
	44221	AAAAAACACGT	TCGGGGTGCC	CGCCACCGGC	CCCTGGGCCA	GCTGCTGTT	GGTGGCATCC
45	44281	GTGTCCACCA	GCAGCACCGA	CATGACCTCC	CCGGCCGGGG	TGTAGCGCAG	AAACACGGCC
	44341	CCCACGAGGC	CGAGGTGCG	CCGGTTTTCG	GTGCGCACCA	GCCGCTTCGG	CTCAATCTCC
	44401	CGCGCGTGC	CTTCGCGAGT	GGCGGTGAGA	TAGGTGATAA	ACAGCGGGCG	GC GGACGTCA
	44461	ACGCCCCTAA	GCTTGTATCC	GATCCC CGCG	GGCAAGGGGG	TGTGGGTGAC	GACGTAGCTG
	44521	GC GTTGTGGG	TGATGGGAC	GAGGATCCGG	GGCTCCGCGT	TGTGCGACGG	GCCGCTACAC
50	44581	TGGTGGGTGG	CCTCCGGGAC	GAAGGCGCGG	ATCAGGGCGT	TGTAGTGC	CCAGCGCGTG
	44641	AGAACGGAGG	CCACGCCGCG	GGTCTGTTGT	GCCATGACGT	CCGCCGGGAT	GTGGGATCGG
	44701	GTGGCCATGG	CCAGCGCGTC	CAGGATGAAC	CCGCCCTCGG	CGAGATCGA	GC GCGAGGGAA
	44761	GCTGCGCATG	GGGAAAAGTG	GTCCGGGAGC	CAGAAAGAGGT	TTTCTGGTG	GTGGGTCTG
	44821	GCTAGCGCGG	CCCGGAGATC	GGCGTGGGTC	GCCGCGGGCGA	CGTCGGACGT	ACACAGGGCC
	44881	GTGGTTATGA	GGAGGCCCG	GGGGCGCGT	TCCCGCTGCT	CGGCCGAGGG	CGGCCGCCGCC
55	44941	AGGAACGGCG	CCCGGAGGAC	GGCCGTGGCG	TAAAACAGCG	CTCGCGGAC	CATCGGGGCG
	45001	GTTAGCGCGC	GGCCGCGGAG	AAACTCGGCG	TACAGGGCGT	CGATCAGGCG	GGCCGCGCTC
	45061	GGGGCCACCG	CGCCATAGGC	CGCGGGGCTG	TCCAACACGA	ACGCCAGCTG	ATAGCCCAGC
	45121	GC GTGCGCCA	CCAGGCTCTG	CTCTCGCTCG	AGGATCGCGG	CCACCA GAGATG	CCCGAGGC
	45181	GCCTCCAGCC	GCAGGCGGGC	CGCCGGGTCC	AACACGGACA	CGTTCA GAGAA	CACCGAGTCG
	45241	GCGCGCGCAGC	CGCGCTGCTC	CCGGGGCGGC	AGGCCGGCA	GCACGCGCGA	GTGGGCCAAA
	45301	AAGCCCAGCA	GGTCGGAGAG	GGCAATCGCG	TCGTGGCGT	GGGCCGCGTT	GACGAACGCA
	45361	AACCCCAGCAG	AGGCAGAGCAG	CCCCCGCGAGG	CGCCAGAACAA	GGGACGGACG	CGCGTCCGTG
	45421	CCGGAGCCCG	GGTCCTCCCC	CAAAAACCTCC	GCATAGGCC	GCGACATATA	CTGGGC GTAG
	45481	TTCGTGCTCT	CCTCGGGGTA	GCCGGCCACC	CGCCGGAGGG	CGTCCAGCGC	CGAGCCGTTG

	45541	TCGGCGGGCG	TGGGGGCC	CAGGACAAAG	ACGGATACC	TGGGGCCGGC	CGGAGGCCCG
	45601	GGGAGCACCG	CGGGGGCGT	TTCTCGGTC	GGATTTCGA	CCCGAGCGAG	GGTCTTGTCC
	45661	GCAGGCACCA	CTATGATCTC	GGCCGGAGGG	CTGTCGGCA	TCGATATCAC	GAGCCCCATG
	45721	AAGCCTTCC	CGTATCGCG	GCGCACGAGC	GCGGCGTCGC	ACCGAACGC	CAGCCCGCCC
5	45781	GTCGTCCAGA	CGCCCACGGG	CCACGTCGAG	GCGACGGGG	AGAGGTACAC	GTACCGACCC
	45841	GGAGTCCCGTA	GCAGGCCCC	GGCGGCCAGC	CAGGTACCGG	ATGCCTTGTG	CAGATGCGCG
	45901	ATGCTCAGGT	TCGTCGTCGG	ATGCCTCGGT	GTCCCCGCGG	GGGGCCCCGG	GGCGGGCGCG
	45961	TTGCGTCGGC	CGTCCGGGTG	CCTCTCGGT	GCCCCGTGCGT	CTCCCCGCGG	GAACGTAAGC
10	46021	CCCTCGCGGT	CCGGCGGGC	CGCGAATGTT	ACCCAGGCC	GGGACCGCAA	CAGCGCGGAG
	46081	GCGCCGGGGT	TGTGCGACAG	TCCCTTGAGC	TGGGTCAACCT	CGGGGGGGGG	ACGGGACGTG
	46141	GGCCCCGCCT	CGGGGAGCTC	GGCAGGCTC	GCGTTCGAG	GCCGGCGAG	CAGATAGGTC
	46201	TTTGGGATGT	AAAGCAGCTG	CCCAGGGTCC	CGAGGAAACT	CGGGCGTGGT	GACCAACACG
	46261	AAACAAAAGC	GCTCGGGCGA	CCACCGAACG	ATGGGCACGG	ATGCCGTAGT	CAGGTTGAGT
15	46321	TCGCCCGGGG	GCGCCAAGCG	TCCCGCCTGG	GGGTCGCTGG	CGTCGGGGGT	GTTGGGCAAC
	46381	CACAGACGCC	CGGTGTTGT	GTCGCGCCAG	TACGTGCGGG	CCAACCCAG	ACCGTGCAAA
	46441	AACCACGGGT	CGATTTGCTC	CGTCCAGTAC	GTGTCATGGC	CCCCGGCAAC	GCCCACCAAG
	46501	ACCCCCATCA	CCACCCACAG	ACCGGGGCC	ATGGTCGTCG	TCCCGGCTGC	CAGTCCGCAG
	46561	ATGGGGGGGG	GTGTCCGTAC	CCACGGCCCA	AAGAGGCTCC	GCACCTCGGA	GGCTATCGGA
20	46621	GGCCCTTGT	TGCCGTAAGC	GCGGGCCAAA	GGATGGGTG	GGGTGAGGGT	AAAAGCACAA
	46681	AGGGAGTACC	AGACCGAAAA	CAAGGACGGA	TCGGCCCGCT	CGGTTTTTCG	GTGGGGTGCT
	46741	GATA CGGTGC	CAGCCCTGGC	CCCGAACCCC	CGCGCTTATG	GACACACAC	ACGACAACAA
	46801	TGCCCTTTAT	TCTGTTCTT	TATTGCGTC	ATCGCCGGGA	GGCCTTCGCGT	TCGGGCTTCC
	46861	GTGTTTGAAC	TAAACTCCCC	CCACCTCGCG	GGCAAACGTG	CGCGCCAGGT	CGCGTATCTC
25	46921	GGCGATGGAC	CCGGCGGGTG	TGACGCGGGT	TGGGATCATC	CGGGCGGTGA	GGCGCAACAG
	46981	GGCGTCTCGA	CACCCGACGG	GCGACTGATC	GTAATCCAGG	ACAAATAGAT	GCATCGGAAG
	47041	GAGGGCGGTG	GCCAAGACGT	CCAAGACCCA	GGCAAAATG	TGGTACAAGT	CCCCGTTGGG
	47101	GGCCAGCAGC	TCGGGAACGC	GGAACAGGGC	AAACAGCGTG	TCCTCGATGC	GGGGCAGAGA
	47161	CCCCCGCCCG	TCCTCGGGGT	CGGGGCGCGG	GGTCGCCGCG	GCGACCCCCG	TCAGCCGGCC
30	47221	CCAGTCCTCC	CGCCACCTCC	CGCCGCGCTG	CAGGTACCGC	ACCGTGTGTTG	CGAGTAGATC
	47281	GTAGACACGG	CGAATGGCGG	ACAGCATGGC	CAGGTCAAGC	CGCTCGCCCG	GGCGTTGGCG
	47341	TCTGCCAGG	CGGTCGGGGT	GTTCGGCCTC	CGGAAGGACA	CCCAGGACCA	GGTTCTGCGC
	47401	GGGCGCGGT	GGGGGCATGA	GGGCCACGAA	CGCCAACACG	GCCTGGGGGG	TCATGCTTCC
	47461	CATGAGGTAC	CGCGCGGGCG	GGTAGCACAG	CAGGGAGGCG	ATAGGGTGCC	GGTCGAAAAC
35	47521	AAGGGTGAGG	GCCGGGGGCG	GGGCTTGC GG	GCCCCACAGCC	TCCCCCCGA	TATGAGGAGC
	47581	CAAAACGGCG	TCCGTCGCCG	CATAAGGCGT	GCTCATTTGT	ATCTGGGCGC	TGGTCATTAC
	47641	CACCGCCGCC	TCCCCGGCCG	ATATCTCGCC	GCGGTCCAGA	CGGTGCTGCG	TGTTGTAGAT
	47701	GTCGTCTCAGG	GTCTCGGAGG	CCCCCAGCAC	CTGCCAGTAA	GTCATCGGCT	CGGGGACGTA
	47761	GACGATATTG	TCGCGCGGCC	CCAGGGCCTC	CATCAGCTGC	CGGGAGGTGG	TGGTCTTCCC
40	47821	CACCCCGTGG	GGTCCGTCTA	TATAAACCGC	CAGCAGCGTG	GGCAGCTCCG	GATCCCCCGC
	47881	GGCTCCGGAG	GCCCCCTGGC	GATGGCTAGG	ACGGGACGCC	GCGCGGCCGT	CGGTAGGCC
	47941	GCTCGCACGA	GCAGCCTGAC	CGAACCGCAGG	CGCGTGTGT	TGGCCGGCGT	GAGAAGCCAT
	48001	ACCCGCTTCT	ACAAGGCGTT	CGCCCGAGAG	GTGCGGGAGT	TCAACGCCAC	CAGGATTGT
	48061	GGAACGCTGC	TGACGCTGAT	GAGCGGGTGC	CTGCAGGGTC	GCTCGCTGTT	CGAGGCCACG
45	48121	CGCGTCACCT	TAATATGCGA	AGTGGACCTC	GGGCCGCGCC	GCCCAGACTG	CATCTCGCTG
	48181	TTCGAATTG	CCAATGACAA	AACGTTGGGA	GGTGTGTGCG	TCATCCTGGA	GCTAAAGACA
	48241	TGCAAATCGA	TTTCTTCCGG	GGACACGGCC	AGCAAACGCG	AACAGCGGAC	CACGGGCATG
	48301	AAGCAGCTGC	GCCACTCCT	GAAGCTGCTG	CAGTCGCTCG	CGCCTCCGGG	GGACAAGGTC
	48361	GTCTACCTGT	GTCTCTATT	GGTGTGTTGTC	GCGCAGCGTA	CGCTGCGCGT	CAGCCGCGTG
50	48421	ACCCGGCTCG	TCCCCAAAAA	GATCTCCGGC	AACATCACCG	CGGCCGTGCG	GATGCTCCAA
	48481	AGCCTGTCCA	CGTATGCCGT	GCCGCCGGAA	CCGCAGACCC	GGCGGTGCG	GCGCCGGGGTC
	48541	GCCGCGACCG	CCAGACCGCA	AAGGCCCCCC	TCCCCGACAC	GTGACCCCGA	AGGCACGGCG
	48601	GGTCATCCGG	CCCCACCCAGA	GAGCGACCCC	CCCTCCCCAG	GGGTGCGTAGG	CGTCGCTGCG
	48661	GAGGGTGGGG	GTGTGCTCA	GAAAATCGCG	GCGCTTTTT	GC GTGCGGGT	GGCCGCCAAG
55	48721	AGCAGACCCC	GGACCAAAAC	CGAGTGAGGT	TCTGTGTGTT	TTTTTTTTT	TTTTTTTTCC
	48781	TCGTTTGTT	TTCTCTTCTT	TCCCCCCCCC	CTCCCCCGCT	TCTGGCCAAG	CATCCTCACC
	48841	TGCTTAAGCG	GAACCCCGG	GGCGCGGGGG	ACTCATTGTT	CGCCGGCGAC	ACCCACCCGA
	48901	CAACAGCCCC	TGGGTGTCGA	CCGCTGTCG	CCCCGTCTGT	CGCCTCTCCC	TTTTTTCCCC
	48961	CCCTCAAAGA	ACGTGGTGT	GGCGGCCGGC	CAATTCTCC	CGGAGCGCCG	TCGTCGCCCG
	49021	CCCGCCGCC	TCGAACATGG	ACCCGTACTA	CCCTTTCGAC	GCGCTGGACG	TTTGGGAACA

	49081	CAGGCGCTTC	ATCGTCGCCG	ACTCCAGGAG	CTTCATCACC	CCCGAGTTCC	CCGGGGACTT
	49141	CTGGATGTTG	CCCGTGTCA	ACATCCCCG	GGAGACGGCG	GCGGAGCGGG	CGGCAGTGCT
5	49201	GCAGGGCCAG	CGCACCGCGG	CCGGGGCGGC	CCTGGAGAAC	GCCGCCCTCC	AGGCCGCCGA
	49261	GCTGCCCGTC	GACATCGAGC	GCCGGATACG	CCCGATCGAG	CAGCAGGTGC	ATCACATCGC
	49321	CGACGCCCTG	GAGGCCTGG	AGACCGCGGC	GGCCGCGGCC	GAAGAGGCAG	ATGCCGCCG
	49381	GGACGCCGAG	GCGAGGGGGG	AGGGCGCTGC	GGACGGGGCA	GCGCCGTCGC	CCACCGCGGG
	49441	CCCCGCCGCC	GCGGAGATGG	AGGTTCAAGAT	CGTACGCAAC	GACCCGCCGC	TACGATAACGA
10	49501	TACCAACCTC	CCCCTGGATC	TGCTACACAT	GGTGTACGCG	GGCCGCGGGG	CCGCGGGTTC
	49561	GTCGGGAGTC	GTCTTGGTA	CCTGGTACCG	CACGATCCAG	GAACGCACCA	TCGCAGACTT
	49621	CCCCCTGACC	ACCCGCAAGC	CCGACTTTCG	AGACGGGCAG	ATGTCCAAGA	CCTTCATGAC
	49681	CGCGCTGGTC	CTGTCTCTGC	AGTCGTGCGG	CCGGCTGTAC	GTGGGCCAGC	GCCACTATTG
	49741	CGCCTTCGAG	TGCGCCGTGC	TGTGTCTGTA	TCTGCTGTAC	CGAACCAACCC	ACGAGTCCTC
15	49801	CCCCGATCGC	GATCGCGCTC	CCGTTGCGTT	CGGGGACCTG	CTGGCCCGCC	TGCCCGCGCTA
	49861	CCTGGCGCGT	CTGGCCGCCG	TAATCGGCGA	CGAGAGCGGA	CGCCCGCAGT	ACCGCTACCG
	49921	CGACGACAAG	CTGCCCCAAAG	CGCAGTTTCG	GGCAGGCCG	GGCCGCTACG	AGCACGGGGC
	49981	CCTGGGCCACC	CACGTCGTGA	TCGCCACGTT	GGTGCGCCAC	GGGGTGCTAC	CGGCGGCC
	50041	GGGCGACGTT	CCCCGAGACA	CCAGCACCCG	CGTGAACCCC	GACGACGTGG	CCCACCGCGA
	50101	CGACGTCAAC	CGCGCCGCCG	CCGCGTTTTT	GGCACCGCGC	CACAACCTCT	TCCTGTGGGA
20	50161	GGACCAAGACG	CTGCTGCCGG	CGACCGCCAA	CACCAATTACG	GCCCTGGCCG	TGCTTCGGCG
	50221	GCTCCTCGCG	AACGGCAACG	TGTACGCGGA	CCGCCTCGAC	AACCGCCTGC	AGCTGGGCAT
	50281	GCTGATCCCG	GGAGCCGTCC	CGGCGGAGGC	CATCGCTCGG	GGGGCGTCCG	GATTGGACTC
	50341	GGGCGCCATA	AAAAGCGCG	ACAACAACCT	GGAGGGCGCTG	TGCGTTAACT	ATGTACTTCC
	50401	GCTGTATCAG	GCAGACCCCA	CGGTCGAGCT	GACCCAGTTG	TTTCCGGGGC	TGGCCGCCCT
25	50461	GTGCCTGGAC	GCCCAGGCCG	GGGGGCCACT	GGCGTCGACG	AGGCGCGTGG	TGGATATGTC
	50521	GTCGGGCGCC	CGCCAGGCCG	CGCTCGTGC	CCTCACCGCG	CTGGAGCTCA	TCAACCGCAC
	50581	CCGCACAAAC	ACCACCCCTG	TGGGGGAGAT	TATTAACGCC	CACGATGCC	TGGGGATACA
	50641	ATACGAACAG	GGGCCTGGGC	TGCTCGCCCA	GCAGGCACGC	ATCGGCTTGG	CGTCAAACAC
	50701	CAAGCGATTG	GCCACGTTCA	ACGTGGGCAG	CGACTACGAC	CTGTTGTACT	TTTGTGTCT
30	50761	CGGGTTTCATT	CCCCAGTACC	TGTCCGTGGC	CTAGGGAAGG	GTGGGGGTGG	TGGTGGGTGGG
	50821	GTGTTTTCT	GTTGTTGTT	CTGGTCCGCC	TGGTCACAAA	AGGCACGGCG	CCCCGAAACG
	50881	CGGGCTTTAG	TCCCCGCCG	GACGTCGGCG	GACACGCAAC	AACGGCGGGC	CCCGTGGGTG
	50941	GGTAAGTTGG	TTCGGGGGCA	TGCTGTATT	CCCTTGCCCG	CTTCCACCCCC	CCCCCCCCCTT
	51001	CCCCTTTGT	TTGTTTGTC	GGGTGCCCAT	GGCGTCGGCG	GAAATGCCGCG	AGCGGTTGGG
35	51061	GGGCCCTCTG	CCCGACCGGG	CGGTGCCCAT	CTACGTGGCC	GGGTTTTTGG	CCCTGTACGA
	51121	CAGCGGGGAC	CCGGGCGAGC	TGGCCCTGGA	CCCAGACACG	GTGCGTCGGG	CCCTGCCCTCC
	51181	GGAGAACCCC	CTGCCGATCA	ACGTAGACCA	CCGCGCTCGG	TGCGAGGTGG	GCCGGGTGCT
	51241	CGCCGTGGTC	AACGACCCCTC	GGGGGCCGTT	TTTTGTGGGG	CTGATCGCGT	GCGTGCAGCT
	51301	GGAGCGCGTC	CTCGAGACGG	CCGCCAGCGC	CGCTATTGTT	GAGGCCCGCG	GACCCGCCGT
40	51361	CTCCCGGGAG	GAGCGTCCTG	TGTACCTGAT	CACCAACTAC	CTGCCATCGG	TCTCGCTGTC
	51421	CACAAAACGC	CGGGGGGACG	AGGTTCCGCC	CGACCGCACC	CTGTTTGC	ACGTGGCCCT
	51481	GTGCGCCATC	GGGCGGCC	TTGGAACCAT	CGTCACCTAC	GACACCAGCC	TAGACCGGGC
	51541	CATCGCTCCG	TTTCGCCACC	TGGACCCGGC	GACGCGCGAG	GGGGTGGCGAC	GCGAGGCCGC
	51601	CGAGGCCGAG	CTCGCGCTGG	CCGGGCGCAC	CTGGGGCCCCC	GGCGTGGAGG	CGCTCACACA
45	51661	CACGCTGTC	TCCACCGCCG	TCAACAAACAT	GATGCTGCGT	GACCGCTGG	GCCTTGTGGC
	51721	CGAGCGCGG	CGGCAGGCCG	GGATGCCCG	ACACACGTAC	CTTCAGGCGA	GCGAAAAATT
	51781	TAAAATATGG	GGGGCGGAGT	CTGCCCCCTG	GCCGGAGCGC	GGGTATAAAA	CCGGCGCCCC
	51841	GGGTGCCATG	GACACATCCC	CCGCCGCGAG	CGTCCC	CCGCAGGTG	CCGTCCTGTC
	51901	GCCTCAAGTC	CGCTCGTGT	CTTCTTCTTC	TTCTTTCCG	GCACGGGCCG	ATATGAACCC
50	51961	CGTTTCGGCA	TCGGGCC	CGGCCCCCTC	GCCGCCCG	GACGGGAGTT	ATTGTGGAT
	52021	CCCCGCCCTCT	CATTACAATC	AGCTCGTCAC	CGGGCAATCC	GCGCCCCGCC	ACCCGCCGCT
	52081	GACCGCGTGC	GGCCTGCC	CCGCGGGGAC	GGTGGCC	GGACACCCCG	GCGCCGGGCC
	52141	GTCCCCGCAC	TACCCGCTC	CTCCCGCCCA	CCCGTACCCG	GGTATGCTGT	TCGCGGGGCC
	52201	CAGTCCCCCTG	GAGGCCAGA	TCGCCGCGCT	GGTGGGGGCC	ATCGCCGCCG	ACCGCCAGGC
	52261	GGGTGGGCTT	CCGGCGGCCG	CCGGAGACCA	CGGGATCCGG	GGGTGGCGA	AGCGCCGCCG
55	52321	ACACGAGGTG	GAGCAGCGG	AGTACGACTG	CGGCCGTGAC	GAGCCGGACC	GGGACTTCCC
	52381	GTATTACCCG	GGCGAGGCC	GCCCCGAGC	GCGCCCGGTC	GACTCCCGGC	GCGCCGCGC
	52441	CCAGGCTTCC	GGGCCCCACG	AAACCATCAC	GGCGCTGGT	GGGGCGGTGA	CGTCCCTGCA
	52501	GCAGGAACCTG	GCGCACATGC	GCGCGCGTAC	CCACGCC	TACGGGCCGT	ATCCGCCGGT
	52561	GGGGCCCTAC	CACCACCCCC	ACGCAGACAC	GGAGACCCCC	GCCCAACCAC	CCCGCTACCC

	52621	CGCCAAGGCC	GTCTATCTGC	CGCCGCCGCA	CATCGCCCCC	CCGGGGCCTC	CTCTATCCGG
	52681	GGCGGTCCCC	CCACCCCTCGT	ATCCCCCAGT	TGCGGTTACC	CCC GGTC CCG	CTCCCCCGCT
5	52741	ACATCAGCCC	TCCCCCGCAC	ACGCCAACCC	CCCTCCGCCG	CCGCCGGGAC	CCACGCCTCC
	52801	CCCCGCCGCG	AGCTTACCCC	AACCCGAGGC	GCCCCGGCGC	GAGGCCGGCG	CCTTAGTTAA
	52861	CGCCAGCAGC	GGGGCCCACG	TGAACGTGGA	CACGGCCCGG	GCCGCCGATC	TGTTTGTGTC
	52921	ACAGATGATG	GGGTCCCGCT	AACTCGCCTC	CAGGATCCGG	ACTTGGGGGG	GGTGTGTGTT
	52981	TTCATATATT	TTAAATAAAC	AAACAACCGG	ACAAAAGTAT	ACCCACTTCG	TGTGCTTGTG
	53041	TTTTGTTTG	AGAGGGGGGG	GTGGAGTGGG	GGGGAAAGTG	GGCGAATGA	CACAAAAATT
10	53101	AGGTCGGGAGG	GGTGAGGGGG	GGGGGCTAGG	AGCCGAACCG	ATGGCCCCCA	CACCGGACGG
	53161	AAGGCCCGGA	AGACTACCAC	GGGGAGGGGG	TGTGAAAGC	GACCGGTGCG	AGGGAGACGG
	53221	GGTTGGTTTG	GGGTTGGTTT	GGGGTTGGTT	T'TCCCGTTAG	CACATGTCTG	CATTGTTTT
	53281	TCTAGTCACA	CGCCCCCCCC	CCCCCAAATA	AAAACCAAGG	CAAACAAATA	CCAGAAGTCA
	53341	TGTGTATTTT	TGAACATCGG	TGTCTTTTA	TTTATACACA	AGCCCAGCTC	CCCTCCCCCTC
15	53401	CCTTAGAGCT	CGTCTCGTC	TCCGGCCTCG	TCCTCGTTGT	GGAGCGGAGA	GTACCTGGCT
	53461	TTGTTGCGCT	TGCGCAGAAC	CATGTTGGTG	ACCTTGGAGC	TGAGCAGGGC	GTCGTGCC
	53521	TTCTTCTGG	CCTTGTGTT	CGTGCCTC	ATGGCCGACA	CCAAAGCCT	ATATCGGATC
	53581	ATTCTCGGG	CCTCGGCCAA	CTTGGCCTCG	TCAAACCCGC	CCCCCTCCGC	GCCTTCC
	53641	CCCTCCCCGC	CCACGCC	GGGGTCGGAA	GTCTTGAGTT	CCTTGGTGGT	GAGCGGATAC
20	53701	AGGGCCTTC	TGGGATTGCG	TTGCAGTTGC	AGGACGTAGC	GGAAGGC	GAAGGCCGCG
	53761	ACCAGGCCGG	CCAGGACCAG	CAGCCCCACG	GCAAGCGCCC	CGAAGGGTT	GGACATAAAG
	53821	GAGGACACGC	CCGAGACGGC	CGACACCACG	CCCCCACTA	CTCCCATGAC	TACCTTGC
	53881	ACCGCGCGCC	CCAAGTCCC	CATCCCCTCG	AAGAACGCGC	ACAGCCCCGC	GAACATGGCG
	53941	GCGTTGGCGT	CGGCGCGGAT	GACCGTGTG	ATGTCGGCAA	AGCGCAGGTC	GTGCAGCTGG
25	54001	TTGCGCGCT	GGACCTCCGT	GTAGTCCAGC	AGGCCGCTGT	CCTTGATCTC	GTGGCGCTG
	54061	TAGACCTCCA	GGGGCACAAA	CTCGTGGTCC	TCCAGCATGG	TGATGTTAG	GTCGATGAAG
	54121	GTGCTGACGG	TGGTGACGTC	GGCGCGACTC	AGCTGGTGAG	AGTACGCGTA	CTCCTCGAAG
	54181	TACACGTAGC	CCCCGCCGAA	GATGAAGTAG	CGCCGGTGGC	CCACGGTGCA	CGGCTCGAGC
	54241	GCGTCGCGGG	TGAGGCGCAG	CTCGTTGTT	TCGCCAGCT	GCCCCCTCGAT	CAGCGGGCCC
30	54301	TGGTCTTCGT	ACCGAAAGCT	GACCAGGGGG	CGGCTGTAGC	ACGTCCCCGG	CCGCGAGCTG
	54361	ACGCGCATCG	AGTTCTGCAC	GATCACGTTG	TCCGGGGCGA	CGGGCACGCA	CGTGGAGACG
	54421	GCCATGACGT	CTCCGAGCAT	CGCGCGCTC	ACCCGCCG	CGACGGTGGC	GGAGGCATG
	54481	GCGTTGGGGT	TGAGCTTGC	GGCCTCGTT	CAGAGAGTCA	GCTCGTGGT	CTGCAGCTG
	54541	CACCACGCGA	CGGCGATGCG	CCCCAGCATG	TCATTACGT	GGCGCTGTAT	GTGGTTATAC
35	54601	GTAAACTGCA	GCCGGGGCGA	CTCGATCGAG	GAGGTGGTCT	TGATGCGCTC	CACGGACGCG
	54661	TTGGCGCTGG	GCGCCTCCCG	CAGTGGCGCG	GGCGTGGCAT	TCCGGGGCTT	GCGGTCTG
	54721	TCCCCCATGT	ACTCCCGCAC	GTACAGCTCG	GCGACCGTGT	TGCTGAGGAG	GGGCTGGTAC
	54781	GCGATGAGGA	AGCCCCCGT	GGCCAGGTAG	TACTGCGGCT	GGCCCACCTT	GATGTGCGT
	54841	GCGTTGTACT	TGCGCGCAA	CATCGGGT	ATGGCCTCGC	GGGCATCCC	GCCGATGCA
40	54901	TCGCCAGGT	CGACGCGCGA	GAGCGAGTAC	T'CGGTCAAGGT	TGGTGGTGA	GGTGGTCAG
	54961	ATGGCGTCGG	AGGAGAACG	GAAGGAGCCG	CCGTACTCGG	CGCGGAGCAT	CTCGTCCAC
	55021	TCCTGCCACT	TGGTCATGGT	GCAGACGCC	GGTCGCTTCG	GCACCCAGTC	CCAGGCCAC
	55081	GTAAACTTGG	GGGTGCTCAG	CAAGTTGCGG	GTCGTCGGCG	ACGTGGCCCG	GGCCTTCG
	55141	GTGAGGTCGC	GCGCGTAGAA	GCCGTCGACC	TGCTTGAAGC	GGTCGGGGC	GTAGCTGGT
45	55201	TGCTCGGTGT	CGCACCCCTC	CGCGTAGCCG	TAAAACGGGG	ACATGTACAC	AAAGTCGCC
	55261	GTCGCCAGCA	CAAACATC	GTACGGGTAC	ACCGACCGCG	CGTCCACCTC	CTCGACGAT
	55321	CAGTTGACCG	TCGTGCCGTA	CCGATGGAAC	GCCTCCACCC	GCGAGGGGTT	GTACTTGAGG
	55381	TCGGTGGGT	GCCACCCCG	GCTCGTGC	G'TGGCGACCT	TCGCCGGCTT	GAGCTCCATG
	55441	TCGGTCTCGT	GGTCGCTCCG	GTGAAACCGC	G'TGGCTCTCA	TGTTGTTCCG	CACGTACTTG
50	55501	GCCGTGGAGC	GGCAGACCCC	CTTGGTGT	ATCTTGTCA	TCACCTCTC	GAAGGAAACG
	55561	GGGGCGCGGT	CCTCGAATAT	CCCCATAAAAC	TGGGAGTAGC	GGTGGCCGAA	CCACACCTG
	55621	GACACGGTCA	CGTCTTGT	GTACATGGT	GCCTTGAATT	TGTACGGGGC	GATGTTCTC
	55681	TTGAAGACCA	CCCCGATGCC	CTCCGTGTAG	T'TCTGCC	CCGGGCCG	CGGGCAGCG
	55741	CGCGCGTGT	CAAACATGCA	CACCGTGGCG	CCC GTGGGG	GCGGGCACAC	GTAAAACG
	55801	GCATCGGC	TCTCGACCTT	GATTCCC	AGGTGCGCGC	GCAGCGTGGC	GTGGCCGGCG
55	55861	GCGACGGTCG	CGTTGGCGTC	GGGGGGCGGG	G'TCGCCTCGG	GCCGCTTGGG	CGGCTTTTG
	55921	GTGTTCCGCT	TCCGGGCTT	GGTGGTCCG	GGGCTCGGGA	CGGGGGCGGG	CGGGGAGGCG
	55981	GGACCCCCGT	TCGCGCGAC	GGTCGCGGGC	ACGCCGCCG	AGGCAGCGGG	GGCCGCCGGG
	56041	GCCGCCGGGG	CGCGCGACGC	CACCGC	ACCAGCGCCC	CCACGAC	CGCGCAAATC
	56101	AAGCCCCCCC	CGCGCATGGC	GGGC	TACGG	GGGCGCGTC	CTCCCGCCG

	56161	GGGGCGGAGG	TGCTGCAGGA	CCGAGTAGAG	GATGGAAAAA	ACGTCTCGGT	CGTAAACCAC
	56221	GACCGAGCGG	GGTCCGATGC	AGCCGTCGGG	GCCGCTCTCG	ACGATGGCCA	CCAGCAGGACA
	56281	GTCGGAGTTG	TACGTGAGGT	ACACGCCCGG	CGGGTAGCGG	TACAGACCTT	CGGAGGTGCG
5	56341	GCGGCTGCAG	TCGGGGCGGC	GCAACTCAAG	CTCCCCGCAC	CGGTAGACCG	ACGCAAAGAG
	56401	TGTGGTGGCG	ATAATGAGCT	CGCGAATATA	TCGCCAGGCG	GCGCGCTGGG	TGGGCGTGAT
	56461	TCCGGAAACA	CCGTCAAAAC	AGTAGAACTT	TTGAAACTCG	CTGACGGCCC	AATCAGCGCC
	56521	CGAACCCCCC	GCGCCCATGA	TGAAGCGGGG	GAGTTCTCC	TTGAGGTGCG	GCAGGAGGCC
	56581	CACGTTCTCG	ACGCTGTAGT	ACAGCGCGGT	GTTGGGGGGC	TGGGCGAAGC	TGTGGGTGGA
10	56641	GTGGTCGAAC	AGGGGCCCGT	TGACGAGCTC	GAAGAAGCGA	TGGGTGATGC	TGGGGAGCAG
	56701	GGCCGGGTCC	ACCTGGTGGC	GCAGCAGCGA	CGCTCGCATG	AACCCTGGCG	CGTCAAACAC
	56761	GCCCCGGGCG	GCGCGGTTGT	CGATGACCGT	GCCCCGCGCC	GCCGTCAGGG	CGCAGAAGCG
	56821	CGCGCGCGCC	GCGAAGCCGT	TGGCGACCAC	GGCGAAGGTC	GCGGGCAGCA	CCTCGCCGTG
	56881	GACGCTGACC	CGCAGCATCT	TCTCGAGCTC	CCCGCGCTGC	TCGCGCACGC	AGCGCCCGAG
15	56941	GCTGGCCAGC	GACCGCTTGG	TCAGGCGGTC	CGCGTACAGC	CGCCGGCGCT	CCCGCACGTC
	57001	CGCGCGGGCC	CGCGTCGCGA	TGTCGCCCCA	GCTCTCCGGC	CCCTGCGCCC	CTGGCTCGGG
	57061	GCCGCGCTCC	CCGTCCTCGC	TCGCGGGCGT	CCCCCGCGCA	CGCCTCCGCC	CCCCCTCCTC
	57121	CGCGCGGGCC	CGGGGCTCTT	CCTCCCTCGG	CCCCCCGGTC	GCGCGGCCGG	CCCCCAGCCG
	57181	CGCCAGCACG	CGGCGCAGCG	CCTCCCTCGC	GCACTGCTCG	GGGCTGACGA	GCCGCCGCAG
20	57241	CAGCGCGTC	GTCAGGTGGT	GGTCGTAGCA	CGCGCGTATC	AGCGCCTCGA	TCTGATCGTC
	57301	GGGCGACGTC	GCCTGGCCGC	CGATGATCAG	GGCGTCCACC	ATGTCAGCG	CCGCCAGGTG
	57361	GCCCCCGAAC	GCGCGATCGA	AGTGTCCCGC	CCGCCGCCCG	AACAGGCCA	GCTCCACGGC
	57421	CACCGCGGCG	GTCTCTGCT	GCAGCTCGGC	CTGCGCCAGC	GCGTTCAAGGT	TGTCGGCGAA
	57481	GGCGTCCATG	GTGGAGTGGC	GGGCGCGATC	GCCGGACGCC	AGCCAGAAGC	GAAGCTCGCT
25	57541	GATGGCGTAC	AGGCCGGCG	TAGTGGCTG	AAACACGTCA	TGCGCCTCCA	GAAGGGCGTC
	57601	GGCCTCCCTG	CGGACAGAAC	AGCTATCGC	GGGCGGCCGG	CCGGCCCTGG	CCCCGCCGCC
	57661	CGCCCGGGTC	CGCGCCAGCG	CCTGGTCCAG	CACACAGAGC	GCTCGCGCGC	GGGCGGCCGT
	57721	CGACAGCCCC	GCGGCGTGGG	GCAGGGTACCG	TCGCGACTCG	TTGGCGTCCA	GCCGCACCTG
	57781	GGCCTGTTGG	GTGACGTGGT	TACAGATGCG	GTCCGCCAGG	GGGCGGGCGA	TGGTCGCCCC
30	57841	TTGGGTCGCG	GTGACGCACA	GCTCTCGAA	ACAGACCGCG	CACGGGTGGG	ACGGGTCGCT
	57901	CAGCTCCGGG	GGCACGATGA	GGCCCGACCC	CACCCCGGCC	ACCATAAACT	CCCGGACGCG
	57961	CTCCAGCGCG	GCCGTGGCGC	CGCTCGGGGG	GGTGTGAGG	TGGCAGTAGT	TCAGCTGCTT
	58021	GAGAAAATTG	TCGACATCAT	GCAGGAAGCA	CAGCTCCATG	CGGACGTCCC	CGCCGTACGT
	58081	CTGCAGCCGG	ATCTGTTGGT	GGTACGGACA	GGGTGGGCC	AGACCCATGG	TCTCGGTGAA
35	58141	AAAGGCAGAG	ACGTCAACCG	TGGTCGCGAA	CGTTTCCAGG	TGGCCCAGGA	GCCGCTCCCC
	58201	CTCGCGCCAC	GCGTACTCCA	GGAGCAACTC	CAGGGTGACC	GACAGCGGGG	TGAGAAAGGC
	58261	GGCGGCCTGA	GCCTCCAGCC	CCGGCCCGAG	GTGCCGCCGC	AGCACGCGA	CCTGGAGCGC
	58321	GTTGAGTTTT	AGCTGGCGA	GCTTCCCCAG	GCCGATCTGG	GGGTCGCATC	GTCGAAGCAG
	58381	CTCTAGCTGA	AAAACGTACG	TCTGTACCTG	CCCGAGCAGG	GCCAACAGTT	TCTGTGGGC
40	58441	CGCAGTGGGC	TCGGAAACCG	CGGCCGGGGG	CGCGGCCGCC	ATGGCGAGTC	ACCCGGCCGT
	58501	GCTGTGGTTT	AGTTAAGGTT	TGGGGGGGGG	TGGGTCAGAG	GGCGCCCCCG	CGCGGACTGA
	58561	TGCGGCGGGC	GGCCCCCTGAC	ATCCCCCTTT	TATGCCCGTC	GCCCGCCCCG	CCGCCCCCGCC
	58621	GGTGTGCCGT	GATTGCGGA	GTGGGGGCCCT	TGTGTTTCTT	TCTTTCCCCC	CCGAATCCGT
	58681	TCTTCTTCC	TCACCCCCCC	CTCCCCACAC	ACCCACCCAG	GACTGCCAC	CACAAGGAGG
45	58741	CGAGAGCCCC	TCGCTAACCC	AAAGACACAG	TCACGAGACA	CGATATCGAC	TGTAGTTGCG
	58801	ATCGTTTATT	TTATACACAA	CACCAACCTT	TCCCTCGACC	CCCCCCCACCC	CCGCCCCCTAG
	58861	AGCATATCCA	ACGTCAAGGTC	CTTTTTCTCC	GGTGGTCCCT	CCCCAAACGG	ATCGTCGCCG
	58921	TGAAACGCC	GCTTTGGCG	GACGCCGGCC	GCCCCCGCCG	CCGCCGCCAA	ACGCCCGAAC
	58981	GACGCCCGT	GGTCATCTC	GTGCCCGAAA	TCCCCAAAGT	TAAACACCTC	CCCGGGCGGCC
50	59041	CCGAGCTGGC	TGACCAGGGC	CTCCGCCTCG	TGGGCCACCT	CCAGGGCCGC	GTGGGTCGAC
	59101	CACTCGCCAT	GCCCAGCGTC	CAGGGCGCGG	GTGGTAAACT	CCATCATTC	CTCGCTCAGG
	59161	TACTCGCTCT	CCAGCAGCGC	CAGCCAGTCC	TCGATCTGCA	GCTGCTGGGT	GCGGGGGCC
	59221	AGGCTCTTGA	CGGTGCGCAC	AAACACGCTG	CTGGCGACCG	CCGCCCCGCC	CTCCGCAATG
	59281	ATGCCCCCGA	GCTGCTCGCA	CAGCGAATGC	TCGTGGGCC	CGCCCCCGAG	ACTCGACGCC
	59341	GCGCACACAA	ACCCGGCCCT	GGGGCAGGCC	AGGACAAACT	TGCGGGTGC	GTCAAAGATC
55	59401	AGCAGCGGGC	ACGCGTTTT	GCCGCCAGC	AGGCTGGCCC	AGTTCCCGGC	CTGAAACACG
	59461	CGGTGCGTTGC	CGGCCATGCC	GTAGTATTG	CTGATGCTGA	GGCCAGCAC	GACCATCGGG
	59521	CGCGCGGCCA	TCACGGGCCG	CAGCAGGTTG	CAGCTCGCGA	ACATGGACGT	CCAGGCGCCG
	59581	GGGTGCGCGT	CGAGGGAGTC	CATCAGCGCG	CGGGCCCCGG	CCTCCAGGCC	CGGCCCGCCCC
	59641	TGCGGGGCC	AGGCGGCCGC	CGCCTGCACG	CTGGGGGAC	GGCGGGACCC	GGCGATGACG

	59701	GCCGTGAGGG	TGTTTATGAA	GTACGTCGAG	TGGTCGCAGT	ACCTCAAGAT	CTGGTTGGCC
	59761	ATGTAGTACA	TGGCCAGTTC	GCTCACGTTA	TTGGGGGCCA	GTGGATAAAA	GTTAATCGCG
5	59821	CCGTAGTCCA	GGGAGAACCT	CTTAATGAAC	GCGATGGTCT	CTATGTCCTC	GCGCGACAAG
	59881	AGCCGGCGG	GGAGCTGGTT	GCGCTGGAGG	GCGGTCCAGA	ACCACTGCAG	GTTCGGCTGG
	59941	TTCGACCCCCG	GGGGCTTGCC	GTTGGAAAG	ATGACCGCGT	GGAAC TGCTC	CAGCAGGAAG
	60001	CCCAGCGGTC	CGAGGAGGAT	GTCCACGCGC	TTGTCGGGCT	TCTGGTAGGC	GCTCTGGAGG
10	60061	CTGGCGACCC	GCGCCTTGGC	GGCCTCGGAC	GCGTTGGCGC	TCGCGCCCAG	GAACAACACG
	60121	CGGCTCTTGA	CGCGCAGTTC	CTTGGAAAC	CCAAGGGTCA	CGCGGGCAAC	GTCGCCCTCG
	60181	AAGCTGCTCT	CGGCGGGGGC	CGTCTGGCCG	GCCGTTAGGC	TGGGGCGCA	GATAGCCGCC
15	60241	CCCTCCGAGA	GCGCGACCGT	CAGCGTCTTC	GCCGACAGGA	ACCCGTTGTT	GAACAGGTCC
	60301	ATGACGCGCC	GCCGCAGCAC	CGGTTGGAAT	TGATTGCGAA	AGTTGCGCCC	CTCGACCGAC
	60361	TGCCCGGCAGA	ACACCCCGTG	GCACTGGCTC	AGGGCCAGGT	CCTGGTACAC	GGCGAGGTTG
	60421	GACCGCCGCG	CGAGGAGCTG	CAGCAGGGGG	CACGGCCCGC	AGGTGTACGG	GTCCAGCGAC
20	60481	AGCGACATGG	CGTGGTTGGC	CTCGGCCAGA	CCGTCGCGGA	ACTTAAAGTT	GCGCCCTCTCG
	60541	ATCAGGTTGC	GCATCAGCTG	TTCCACCTCG	CGATCCACCA	GCTGTTGAT	GTTGTTCAAC
	60601	ACCGTGTGCA	GGGCCTCGCG	GTTGCCGATA	ATCGTCTCCA	GCCTCCCCAG	GGCCGTGGGC
	60661	ACCGCCTGGT	CCACGTACTG	CAGGGCTCTG	AGCTCGGCCA	TGACGCGCTC	GGTGGCCGCG
25	60721	CGGTACGTCT	CCTGCATGAT	GGTCCGGGTG	TTCTCGGACC	CGTCCGCGCG	CTTCAGGGCC
	60781	GAGAAGGCAGG	CGTAGTTCCC	CAGCACGTCG	CAGTCGCTGT	ACGCGCTGTT	CATCGTTCCG
	60841	AAGACCCCAA	TGGCCCCCG	GGCGGCGCTC	GCGAACCTGG	GGTGGCGGGC	CCGCAGCCGC
	60901	ATCAGCGTCG	TGTGCGGCCA	GGCGTGGCGG	GTCTCGAAGG	TACACAGGTT	GCAGGGCACG
	60961	TCGGTCTGGC	CCGAGTCCGC	GACGTAGCGA	AACACGTCCA	TCTCCTGGCG	CCCGACGATG
30	61021	ACTCCGCCGT	CGCAGCGCTC	CAGGTAAAAC	AGCATCTTGG	CCAGCAGGGC	CGGAGAGAAC
	61081	CCGCACAGCA	TGGCCAGGTG	CTCGCCGGCG	AACTCTGGG	TTCCGCGGAC	GAGGGCGGCC
	61141	GTGGGGCGCC	CCTCGTACCC	GGGCACACG	TGGCCCTCGC	GGTCCAGCTG	CGGGTTGGCC
	61201	GCCACGTGCG	TGCCGGGCAC	GAGAAAGAAG	CGGTAAAAGG	AGGGCTTGCT	GTGGTCTTGT
	61261	GGGTCCGCCG	GCCC GGCGTC	GTCCACCTCG	GTCAGGTGGA	GGGCCGAATT	GGTGTGAAC
	61321	ACCATGGCGC	CCACGAGGCC	CGCGGCGCGC	GCCAGGTACG	CCCCGACGGC	GCCGGCGCGG
35	61381	GCGCGGGCG	TTTCCTGGCC	CTCAAGCAGG	GGCCACGTGG	TGATGTCCCC	GGCCGGCTCG
	61441	TCAAAGACCG	CCATCGACAC	GATGGACTCC	AGGGCCAGGG	CGGCGTCCGC	CGCCATCACC
	61501	GAGGCCAGGC	GCTGCTCAAA	CCCGCCCGCC	GGGCCCTTGT	TCCCGGGCGTC	GCGCGCGCCC
	61561	CGCTGGGCT	TACCCCTGGCT	GGCCTCGAAG	GCCGTGAACG	TAATGTCCCC	GGGGAGGGCC
	61621	GCGCCCTCGT	GGTTTCGTC	GAACGCCAGG	TGGGCGGCCG	CGCAGGCCAC	GGCGTCCACG
40	61681	TTCCGGGCAC	GCAGGGCCAC	GGCGGCGGGC	CCGACGACCG	CCTCGAACAG	CAGGCGGGCG
	61741	AGGGGGCGGT	TGAAAAAACGG	AAGGGGGTAG	TTGAAATTCT	CCCCGATCGA	TCGGTGGTTG
	61801	CAGTTAACCG	GATCGGCGAT	GACCCGGCTA	AAATCCGGCA	TAAACATCTG	CAGCGGATAC
	61861	ACGGGGATGC	GGTGAACCTC	CGCGTCCCCG	ATGGTTACCT	TGTCCATCCC	GCCCAAGATGC
	61921	AGGAAGGTGT	TGCTGATGCA	CACGGCCTCC	CGGAAGCCCT	CCGTGATCAC	CAGATAACAGC
45	61981	AAGGCCCGGT	CCGGGTCCAG	TCCGAGCCGC	TCGCACAGCG	CGTCCCCCGT	CGTCTCGTGC
	62041	TTTAGGTCGC	AGGGCCGGGG	CGCGTAGTCC	GCGAAGCCAA	AATGCGGGCG	CGCCCGCTCG
	62101	CAGAGCGCG	TCAGGTTGGG	GGCCTGGGTG	CTGGGGGCCA	GGTGGCGGCC	GCCGTGAAAG
	62161	ACGTAAACGG	ACGGGCTGTA	GTGCGAGGGC	ATAAGCTGTA	GGGACACCCG	GGTCCCCCCC
	62221	AGGCCCGTCG	TGCGGGACCC	GACGACCGCG	GCCACGGTGG	CCTCAAAACCC	GCTCTCCACG
	62281	GTCAGGCCGA	CGATGAGGGG	CGCGACGGCG	ACGTCCCGT	CGCCGCTCG	CGCCGACAGT
50	62341	AGCGACAGCA	GCTCCAGGCC	TTCGGCCGGA	CAGGCGCGGC	CATACACGTA	CCCCATCGGC
	62401	CCC GGAGGAA	CCTTGACGGT	GGTCGTCGTT	TTGGGCTTGG	TGTCCATGGC	TTTCGGGAGA
	62461	TCGGCGACCG	GCAGGAACGG	GGGCCCAGCA	AGACGACCGG	GGGCAGACGG	GGGAGGCCGC
	62521	GGGTGGTCGA	CGGCTGCTGC	CCGCCGTGCGT	CTCTCCGATG	GGGTCGAATG	CCGGCGCTGG
	62581	GGGTGGGGTC	TACACCCGCC	CGTTCGCCGA	GGGGCCCGCTG	GTGGGGGTGG	GATGGGGTGGG
55	62641	ATGGGGTGGG	CGAGAATGGC	CCGCCACCGG	ATCGCGCCGG	ACGGGGGGGC	CCGGGGTTGG
	62701	GCAAGGTTTG	GGCGCAAGGC	TCCAGCGGCC	ATT CGAGAGG	CCTGCGGATG	GCGGCCAGA
	62761	GCTGGGTATG	CTCGGCCGG	GGCGGCCGGTA	TATGTACGGC	GTGCTGGGAG	GGCGGGCGTC
	62821	GGGCCCGGCC	CACGGTCCGC	CACGCCCGC	GCGTCATCGG	CAGGGGGCGT	GGCCGCCCTT
	62881	CTAAAAAAAG	TGAGAACCGC	AAGCGTTCGC	ACTTTGTCCT	AATAATATAT	ATACTATTAG
	62941	GACAAAGTGC	GAACGCTTCG	CGTTCTCACT	TTTTTAGAA	GGGCGGCCAC	GCCCCCTTTG
	63001	ACGTCACGCT	CACCCGGCG	GGCGGCCGCC	CATAAGCGCG	GCCTGCCGGG	CCGATAAAAAA
	63061	GAAACCGCGG	CGCCCCCGCG	GACACCACAC	ACTGGCTCTC	GAACCCCGGA	CGCGCAGAAG
	63121	GGACCCGGGC	GGGGGTCCGC	CGGTAAGAGC	CGGGGGGAAC	ATCGGCACCG	CCATCCCCACC
	63181	CCGAGCTGTT	GGGTGGCGG	GTGGGGGGGC	TGGTGAGGCG	GTGGTGGGAG	GGGGCGGCCGT

	63241	ATAGCAGGAC	AACGACCGGC	GGCGATGTTT	TGTGCCGCG	GCGGCCCGGC	TTCCCCCGGG
5	63301	GGGAAGCCGG	CGGCTCGGGC	GGCGTCTGGG	TTTTTGC	CCCACAACCC	CGGGGGAGGCC
	63361	ACCCAGACGG	CACCAGCGCC	TTGCCGCCGG	CAGAACTTCT	ACAACCCCCA	CCTCGCTCAG
	63421	ACCGGAACGC	AGCCAAAGGC	CCTCGGGCCG	GCTCAGCGCC	ATACGTACTA	CAGCGAGTGC
10	63481	GACGAATTTC	GATTTATCGC	CCCGCGTTCG	CTGGACGAGG	ACGCCCCCGC	GGAGCAGCGC
	63541	ACCGGGGTCC	ACGACGGCCG	CCTCCGGCGC	GCCCCTAAGG	TGTACTGCGG	GGGGGACGAG
	63601	CGCGACGTCC	TCCCGTGGG	CCCCGGAGGGC	TTCTGGCCGC	GTCGCTTGCG	CCTGTGGGGC
	63661	GGTGCAGGAC	ATGCCCGCA	GGGGTTCGAC	CCCACCGTCA	CCGTCTTCCA	CGTGTACGAC
15	63721	ATCCTGGAGC	ACGTGGAACA	CGCGTACAGC	ATGCGCGCCG	CCCAGCTCCA	CGAGCGATTT
	63781	ATGGACGCCA	TCACGCCCGC	CGGGGACCGTC	ATCACGCTTC	TGGGTCTGAC	CCCCGAAGGC
	63841	CATCGCGTCG	CCGTTACAGT	CTACGGCACG	CGGCAGTA	TTTACATGAA	CAAGGCGGAG
	63901	GTGGATCGGC	ACCTGCAGTG	CCGTGCCCGC	CGCGATCTCT	GCGAGCGCCT	GGCGGCGGCC
	63961	CTGCGCAGT	CGCCGGGGC	GTCGTTCCGC	GGCATCTCCG	CGGACCACCT	CGAGGCGGAG
20	64021	GTGGTGGAGC	GCGCCGACGT	GTACTATTAC	GAAACGCGCC	CGACCCCTGTA	CTACCGCGTC
	64081	TTCGTGCAGA	GCGGGCGCGC	GCTGGCCTAC	CTGTGCGACA	ACTTTTGCCC	CGCGATCAGG
	64141	AAGTACGAGG	GGGGCGTCGA	CGCCACCAACC	CGGTTTATCC	TGGACAACCC	GGGTTTGTC
	64201	ACCTTCGGCT	GGTACCGCCT	CAAGCCCGGC	CGCGGGAACG	CGCCGGCCCA	ACCGCGCCCC
	64261	CCGACGGCGT	TCGGAACCTC	GAGCGACGTC	GAGTTAACT	GCACGGCGGA	CAACCTGGCC
25	64321	GTCGAGGGGG	CCATGTGTGA	CCTGCCGGCC	TACAAGCTCA	TGTGCTTCGA	TATGAATGTC
	64381	AAGGCCGGGG	GGGAGGACGA	GCTGGCCTTT	CCGGTCGCGG	AAACGCCCGGA	AGACCTCGTC
	64441	ATCCAGATCT	CCTGTCGCT	CTACGACCTG	TCCACCAACG	CCCTCGAGCA	CATCCTCCTG
	64501	TTTTCGCTCG	GATCCTGCGA	CCTCCCCGAG	TCCCACCTCA	GCGATCTCGC	CTCCAGGGGC
	64561	CTGCCGGCCC	CCGTCGCTCT	GGAGTTTGAC	AGCGAATTG	AGATGCTGCT	GGCCTTCATG
30	64621	ACCTTCGTCA	AGCAGTACGG	CCCCGAGTT	GTGACCGGGT	ACAACATCAT	CAACTTCGAC
	64681	TGGCCCTTCG	TCCTGACCAA	GCTGACGGAG	ATCTACAAGG	TCCCAGCTCGA	CGGGTACGGG
	64741	CGCATGAACG	GCCGGGGTGT	GTTCCGCGTG	TGGGACATCG	GCCAGAGCCA	CTTTCAGAAG
	64801	CGCAGCAAGA	TCAAGGTGAA	CGGGATGGTG	AACATCGACA	TGTACGGCAT	CATCACCGAC
	64861	AAGGTCAAAC	TCTCCAGCTA	CAAGCTGAAC	GCCGTCGCG	AGGCCGTCTT	GAAGGACAAG
35	64921	AAGAAGGATC	TGAGCTACCG	CGACATCCCC	GCCTACTACG	CCTCCGGGCC	CGCCGAGCGC
	64981	GGGGTGATCG	GCGAGTATTG	TGTGCAAGGAC	TCGCTGCTGG	TCGGGCAGCT	GTTCTCAAG
	65041	TTTCTGCCGC	ACCTGGAGCT	TTCCGCCGTC	GCGGCCCTGG	CGGGGCATCAA	CATCACCCGC
	65101	ACCATCTACG	ACGGCCAGCA	GATCCGCGTC	TTCACCGTGC	TCCTGCGCC	TGCGGGCCAG
	65161	AAGGGCTTCA	TCCTGCCGGA	CACCCAGGGG	CGGTTTCGGG	GCCTCGACAA	GGAGGCGCCC
40	65221	AAGGCCCGG	CCGTGCCCTCG	GGGGGAAGGG	GAGCGGCCG	GGGACGGGAA	CGGGGACGAG
	65281	GATAAGGACG	ACGACGAGGA	CGGGGACGAG	GACGGGGACG	AGCGCGAGGA	GGTCGCGCGC
	65341	GAGACCGGGG	GCCGGCACGT	TGGGTACCAAG	GGGGCCCGGG	TCCTCGACCC	CACCTCCGGG
	65401	TTTCACGTCG	ACCCCGTGGT	GGTGTTTGAC	TTTGCCAGCC	TGTACCCCAG	CATCATCCAG
	65461	GCCCACAAAC	TGTGCTTCAG	TACGCTCTCC	CTGCGGCCG	AGGCCGTGCG	GCACCTGGAG
45	65521	GC GGACCGGG	ACTACCTGGA	GATCGAGGTG	GGGGGCCGAC	GGCTGTTCTT	CGTGAAGGCC
	65581	CACGTACGCG	AGAGCCTGCT	GAGCATCCTG	CTGCGCAGT	GGCTGGCCAT	GCGAAAGCAG
	65641	ATCCGCTCGC	GGATCCCCCA	GAGCACCCCC	GAGGAGGCCG	TCCTCCTCGA	CAAGCAACAG
	65701	GCCGCCATCA	AGGTGGTGTG	CAACTCGGTG	TACGGGTTCA	CCGGGGTGCA	GCACGGTCTT
	65761	CTGCCCTGCC	TGCACGTGGC	CGCCACCGTG	ACGACCATCG	GCCGCGAGAT	GCTCCTCGCG
50	65821	ACGCGCGCGT	ACGTGACACG	CGCCTGGCG	GAGTCGATC	AGCTGCTGGC	CGACTTTCCG
	65881	GAGGCGGCCG	GCATGCGCG	CCCCGGTCCG	TACTCCATGC	GCATCATCTA	CGGGGACACG
	65941	GACTCCATT	TCGTTTGTCG	CCGCGGCCCTC	ACGGCCGCGG	GCCTGGTGGC	CATGGGCGAC
	66001	AAGATGGCGA	GCCACATCTC	CGCGCGCGTC	TTCCTCCCC	CGATCAAGCT	CGAGTGCAGA
	66061	AAAACGTTCA	CCAAGCTGCT	GCTCATCGCC	AAGAAAAAGT	ACATCGGCGT	CATCTCGGG
55	66121	GGCAAGATGC	TCATCAAGGG	CGTGGATCTG	GTGCGAAAAA	ACAACTGCGC	GTTTATCAAC
	66181	CGCACCTCCA	GGGCCCTGGT	CGACCTGCTG	TTTACGACG	ATACCGTATC	CGGAGCGGCC
	66241	GCCGCGTTAG	CCGAGCGCC	CGCAGAGGAG	TGGCTGGCGC	GACCCCTGCC	CGAGGGACTG
	66301	CAGGCCTTCG	GGGCCGTCTC	CGTAGACGCC	CATCGCGCA	TCAACGACCC	GGAGAGGGAC
	66361	ATCCAGGACT	TTGTCCTCAC	CGCCGAACG	AGCAGACACC	CGCGCGCGTA	CACCAACAAG
	66421	CGCCTGGCCC	ACCTGACGGT	GTATTACAAG	CTCATGGCCC	GCCGCGCGCA	GGTCCCGTCC
	66481	ATCAAGGACC	GGATCCCCGA	CGTGTACGTC	GCCCAGACCC	GCGAGGTAGA	GGAGACGGTC
	66541	GCGCGGCTGG	CCGCCCTCCG	CGAGCTAGAC	GCCGCCGCC	CAGGGGACGA	GCCGCCCGCC
	66601	CCAGCGGCC	TGCCCTCCCC	GGCCAAGCGC	CCCCGGGAGA	CGCCCGTCGCA	TGCCGACCCC
	66661	CCGGGAGGCC	CGTCCAAGCC	CCGCAAGCTG	CTGGTGTCCG	AGCTGGCGGA	GGATCCCCGGG
	66721	TACGCCATCG	CCCGGGCGT	TCCGCTAAC	ACGGACTATT	ACTTCTCGCA	CCTGCTGGGG

	66781	GCAGGCCCTGCG	TGACGTTCAA	GGCCCTGT	TTT	GGAAATAACG	CCAAGATCAC	CGAGAGTCTG
	66841	TTAAAGAGGT	TTATTCCC	GA	CACG	CCCCGGACG	ACGTGGCC	GCGGCTCAGG
	66901	GCCGCGGGGT	TCGGGCGG	GGGGGCGG	GCTACGGCG	AGGAAACTCG	TCGAATGTT	
5	66961	CATAGAGCCT	TTGATACTCT	AGCATGAGCC	CCCCGTG	GCTGATGT	CGCATCTTG	
	67021	AATAAATGTC	TGCGGCCGAC	ACGGTCG	TTTCCCGC	CGCTGGTT	TCTGCGTT	
	67081	GTCTGACCAC	GAGCACAAAC	GTGCTCTG	ACACGTGG	GGCGAACCG	TAGCCGGG	
	67141	ACGCCGTCA	CATCCGATCG	ATGAGCCG	AGTGCAGGT	GGCCGACGT	CCGGGGAAAGA	
10	67201	TGACGGTACAG	CATGTGGCC	CCGTACGT	GGTCCGG	AAAAAGAAC	CGGGGGTC	
	67261	ACGCC	TCCCGCG	ATCGTGT	CGAAA	CTCGGGCT	CCGAGCGT	
	67321	CGGCCAGGAG	GTCCTGGAGG	GGGGTGT	GGCGGT	CAGCACG	AGGGAGGCC	
	67381	GAAAGGTGCG	GTGCTAAAG	ATCGTATTG	TCTGCTG	GAAGGCC	ATGAGGCC	
15	67441	CGCGGCTGAC	GGTGGCC	CGCCC	CCGCGT	CGCGGGG	CAGCCCCG	
	67501	TCCCCAGGTA	GTAGCCC	CCCGAGAGG	TCAGGCAG	GTGCGCC	GTCTGGT	
	67561	GGCTGAAGGG	GAGCGACAC	GGGGTGT	TCACCAG	CACGGAGAG	GACCGAC	
20	67621	TGGCGATCTC	CTCGGAGG	GTCTGGC	GGGGCG	GAAGCCG	TACCGAC	
	67681	GCTCGTGCAG	GCAGAGCTC	AGCCTG	CGTGC	CAGGCT	CGGGAGGCC	
	67741	GGCGCTCAC	GCCGGG	CCGGCG	AAAAGCG	CCGCCG	GTCTTGT	
	67801	GGCCGGGCC	GGGCGGG	CCGGAGC	GGGGGGC	GTCATACATA	GGTACAGAGG	
25	67861	GTGTGCTCCA	GGGACAGG	AGAGATC	TGTCGT	GCAGCG	GGCCTCG	
	67921	ACAAATGTGG	CCAGCGCG	GGGCTTC	ACAAATAC	GGTACGT	GAAGGTGT	
	67981	ATGAGGCC	GCAGGGCT	ACAGACCC	CCCTCG	CGTTGCC	GGCCAAC	
	68041	GCCTTGAA	GCTGCAGCT	GTGCG	TCGGCG	GGTGGC	CAGGACCC	
	68101	GGGTCGACTT	CCATCTCG	GATGGC	ATCGGATC	AGAACATG	CTTGAAGAT	
30	68161	GCCTCGGGC	CCGCGG	AAGCAGG	ACGAACC	CCCCGT	GGGCTCG	
	68221	TCGGGGTCCG	CCTCGAG	GTCCACG	GGCACTATG	AGTCGAAGA	GCTGGTGT	
	68281	TTCTCCGAGT	AGCGGACG	GGACGCC	AGGC	TGGCCAG	GTAGGCC	
	68341	ACCAGCAACA	GATTGCA	CAGGCATT	CCGCCG	GCCCGC	CCGCCGT	
	68401	TTCAGCACGG	TGGCCATC	CGGGCCC	TCCAGGT	GCTGGG	GGGCTCG	
35	68461	AACTGCGAA	AACGCGGG	CGCGTCG	ATGCGC	CGCGGT	TTCCCAGG	
	68521	TCGCTGACCG	CGGCGCG	GGCGTCC	GC	CGTACGCC	CGCTCTCC	
	68581	ACGGCGGGG	TGCCGCG	CAGCAGC	ATCAGGT	CGTACGCC	CGCTCTCC	
	68641	TCACCCCCCT	GC	CCCGCGG	GCCTCG	CCCCGTT	GGCGCGG	
	68701	CGCGTGCAGC	AGCTGTCT	GCCCCCG	TTGCCCT	TGCA	CAGCGGG	
40	68761	CAGTCCTTCC	AGTTCATC	GGCGGTG	AGGGAGG	CGT	CCCCCG	
	68821	GCCCCCGCCC	CCGCCCC	ATCGCCCC	GAGGCCAGG	TCCCGATG	GGCCC	
	68881	CGGGACTGCG	CGAGGAAGG	ATAGTTG	TACTGCAC	TGGCGCG	CGGGGAGG	
	68941	GTCGGCCTGG	GTTGCTT	GGCGTGG	CCGGG	CGCCGTC	CCGGAAGC	
	69001	CAGTGGAGAA	AGAAATGCC	GTGGATGT	TTGATGG	GGCGAAGC	CGCGAAGG	
45	69061	CCGACAAGGG	TCGCTTCT	GGTGC	AAGTGGT	CCATGAC	GACGAAC	
	69121	AAGGCGGCCA	CGAAGATG	CGCGCG	TGGGGCG	CCAGGCA	GGCGCAGA	
	69181	AAACGCGTAAT	CGGCCACCA	CTGGGCG	AGGC	CTGCTTGT	CAGCTCGA	
	69241	GTGCGGCAGA	CCAGACAGG	CGGGTCC	GCGAAGGT	CGACGGAC	CGCGCGA	
	69301	GGCCCCGTGT	CCAAGAGT	CTCTGCC	GGGTCTG	GC	GGGACCC	
50	69361	GGCCCCCGCC	CCCCCGA	CTCGCG	GCCCCCG	GCCGCGGGG	GGCGGGCG	
	69421	ACGTCGCTCT	CCACGT	GTGAGCG	CTCGCGG	GCACGC	CACGTGAC	
	69481	GCCGCCAGGA	GCTCGG	CAGGCC	TTAAGAGC	GAAGGTC	ATCGAAGG	
	69541	ACATACGGAC	GCTCGAAC	GCCCTC	CAGCTGT	CCGGCGACT	TTCCGCGAC	
	69601	GGGGCGCTCG	ACGGCAC	CGGGCGG	GTCGCC	CGGTCG	GGGGCGAC	
55	69661	CGTCCCGCGA	CGTTACGG	CGCGAT	GACTGCG	TGCGG	GACCC	
	69721	AGTCTAGACG	CGCGCTAC	CTCGCG	GGCGGGG	ACGCGGCG	CTGGTTC	
	69781	GACATGACCC	CGGCCG	AGAGGTT	TTCCCAC	CGGACGCC	GCTGAAC	
	69841	CTCTCGCGGA	CGCAGCG	GGCC	CTGACGT	CGGGCGCT	AAAAGCG	
	69901	GACGGCCCCG	CCGCCCC	TACGCA	ACCGCGT	TGCA	GCTGCTCG	
	69961	CGAAAGCGCG	AACGGT	GGCGGT	AACCGGTT	TGGACCT	CCAGATC	
60	70021	CGGGGCTGAC	GC	GGCGCT	GGGGGC	GGCACCGG	TTACATAACA	
	70081	GTAGGGGTG	GGGGAACG	CACCTTG	CGGTGCG	GGCGGGGAT	GGGAAGCC	
	70141	ACGGCGGCCG	CCC	GGGAC	CGTTCG	GTCTCGT	CTCATTGTT	
	70201	CCGCCACGCT	GC	GGCGGGG	GGTGGGG	CGGGCCC	CTCGCCAT	
	70261	CGAGATGTG	CTTCCAG	CACGCC	ATGGGTCC	CGAGGCCTTC	CCGATCGA	

	70321	ACGTCCCTGCG	GCTCATGAAC	GACTGGGCCG	ATGTGCCCTG	CAACCCCTAC	CTGCAGGTGC
	70381	AGAACACCGG	CGTTTCGGTG	CTGTTTCAGG	GGTTTTTAA	CCGGCCCCAC	GGCGCCCCGG
5	70441	GGGGCGCGAT	CACGGCGGAG	CAGACCAACG	TGATTCTGCA	CTCCACCAG	ACGACGGGAC
	70501	TGTCCCTCGG	AGACCTGGAC	GACGTCAAGG	GGCGCCTCGG	CCTGGACGCC	CGGCCGATGA
	70561	TGGCCAGCAT	GTGGATCAGC	TGCTTTGTGC	GCATGCCCG	GGTGCAGCTC	GGCTTCGGT
	70621	TCATGGGCC	CGAGGACGCC	GTCGCACGC	GGCGGATCCT	GTGTCGCGCC	GCCGAGCAGG
	70681	CCCTCGCCCG	TCGCCGCCG	TCCAGGCGGT	CCCAGGATGA	CTACGGGGCG	GTGGTGGTGG
	70741	CGGCGGCGCA	CCACTCTTCC	GGAGCGCCCG	GGCCGGGGGT	CGCCGCCTCG	GGCCGCCCCAG
10	70801	CGCCGCCCGG	ACGGGGACCG	GCCC GTCCGT	GGCATCAGGC	CGTGCAGTTG	TTCCGGGCC
	70861	CGCGTCCGGG	CCCCCGGGG	CTTCTGTTGC	TGGCGCGGG	GCTGTTCTG	GGGGCCGCTA
	70921	TCTGGTGGGC	GGTTGGCGCG	CGCCTATGAA	AGGGGGCGAG	CCACCGTCCC	GCCCCCAGT
	70981	GCATCCCAGA	CGCCCGCGAG	CCGCACATCC	CCTCCGCTCC	CGCCTCCGGC	CCGATTCTTA
	71041	CGGCGCGACC	CAAGGTCCC	ATGGCCGCC	CGCAGTTCA	CCGCCCGAAC	ACCATTACCG
15	71101	CCGACAACGT	CGGGCGCTC	GGCATGCGCG	GGCTCGTGT	GGCCACCAAAC	AACGCTCAGT
	71161	TCATCATGGA	TAACAGCTAC	CCGCATCCGC	ACGGAACGCA	GGGTGCGGTG	CGAGAGTTTC
	71221	TTCGCGGGCA	GGCCGCGGG	CTGACGGACC	TCGGGGTGAC	CCACGCCAAC	AACACGTTCG
	71281	CCCCCAGCC	TATGTTCGCG	GGCGACGCCG	CGGCCGAATG	GCTGCGGCC	TCGTTCGGTC
	71341	TTAACGCGAC	GTATTCCCCC	TTTGTGTTTC	GCGACCCCAA	GACCCCCAGC	ACCCCGTGAG
	71401	TCCTCGGCCG	GTCCCTCCG	GGCCGTCTCT	CGTTGCC	CTTTCCCCCT	TCCCCGGTGG
20	71461	TTCAATAAAA	AACACCAACA	TACGATATT	CGCTTGATA	CGTTTATTGG	GGGGGGTGT
	71521	GGGCCAACG	ATCGGCATT	AACAACACCA	AACAATCGAG	CGCGTCTAAC	CCAGTAACAT
	71581	GCGCACGTGA	TGTAGGCTGG	TCAGCACGGC	GTTGCTGCGC	TGAAACAGCG	CCCTGCGGGT
	71641	CCGCTGCAGC	TGTTGTTGTA	TGCGGGCGCA	TGCGGGATC	AAAACGCCA	GGGCCTACG
	71701	ACCGGTGCTT	CGTACGTAGC	GTCGCGACAA	GACGGCATT	GCCTGTACGG	GCAAGGGGCC
25	71761	AAATTGCGAG	TGTGGTGACT	GGAGGGTGGTC	GGCGCCAAT	GGGCCGGGTG	GGTCTCGGGC
	71821	GGGGGGCAAG	TGCGGTTCCG	GTGGGAGGGG	GTCGAGCGCC	TCGGTATCAT	CCGAGTCCGA
	71881	GAAACGCGAG	GAGTCTCGT	CGGAGTGTTC	ATCATCGGAG	GAGATGTGCA	GCGTCTGAAG
	71941	CAGCGATGCG	GGTGGGGCG	CGGAGTCGAC	GTGAAGCGCG	AGAGAGGAAG	CCACGAAGT
30	72001	CACAGCGGAC	ACTGGGAGGT	GGGTGTTTG	ATGTGTGGG	GACTCGGGCG	TCGGGACCGA
	72061	GTCTCGGCTC	TGGGGTGTAA	GCCTCCGAGT	TACGGCGGC	AGGGGCGGCT	GGGGCAGGGG
	72121	CGGCTGGGGC	AGGGCGGCT	GGGGCAGGGG	CGGCTGGGG	AGGGGCGGCT	GGGGCAGGGG
	72181	CGGCTGGGGC	AGGGCGGCT	GGGGCAGGGG	CGGCTGGGG	AGGGGCGGCT	GGGGCAGGGG
	72241	CGGCTGGGGC	AGGGCGGCT	GGGGCACC	GCGCGCGCG	ATGCGCGTCC	GCGCGCGGGG
	72301	TTTGGTCGCG	GGTGACTGGG	GTGGGGGGCG	GGGGCAACC	GGGCCTCCGG	GCACGACCCA
35	72361	ACCGCACAAA	GGCTCGCTC	GGGCAACCGG	GCCTGGGGC	AAAGGCGGGG	GGCTGGTCTG
	72421	GACGGCGGAG	GTGGGGGGG	CAAGGCCCG	AGAAGGCCG	ACTGCCGCG	CTGCGCGGGA
	72481	AACCGCGGCC	CGCTGGTCG	CTGGGTCCC	GGGAGAGGGG	AGGGAGTTCA	ACGAGGCCGA
	72541	GAGCGAGGCG	ACCGCGGGG	CGCTGAGGCG	CGGGGGTGGG	CCGGCCGCGG	GGCCCCGGGG
	72601	GGGTGTCGGC	GAGGGACCCG	CTGTTGTCG	GGGGCGGCCG	CGGCGGCCGGT	CGCCCCCGGG
40	72661	GACGACCGCT	CCTTCGGCGG	GGGGAGGCCG	GATGGCGCG	AGCGTGGGGG	GGGAAAGGC
	72721	CCCGCGAGCC	GAGGCGGGGC	CGGGCGGAAG	GGGCAAAGCA	AAACCCAAAG	CCGGGGCGC
	72781	GGACTCCGGG	GTGGCGGCT	GGTCGGGAGG	ACGCGCGGA	CGGGCGACCG	GGGGCAGACGG
	72841	GGCGGGGAGT	GCCGGCGGAC	GCCACCCCTC	GGGGGGGGCG	GAGGCCCGGG	GCGCGCGCGA
	72901	TTTGGCACGC	GTCCGGCGG	ACCTGCGAC	GCGCGCACG	CGGGCGGAGA	AAGCGGCCGG
45	72961	AGAGCCGGAA	AAGGCCGGG	GAGGAAGCGC	GGCATCCGCG	GGGGGACTCG	GTGTTGGGTG
	73021	CGAGGGCCGT	GGGTCGTCG	GAGGGGCCAC	GGGCACGCGC	CCCGTGT	GTTGAGGCCG
	73081	GACACTCGGT	CGTGTTCG	GAGCCGTAGC	TGCCGGCC	ATGGGCGCG	GTGCGTACTG
	73141	GGACGTGGGG	ACGGACTGAT	CGGTGGCGGG	GGGGGGAAGA	AGGGCCGGGG	CCGGATTGGG
	73201	CGTGGGGCCG	CGGGCGTCGT	CGGACGCCAG	CTCCTCCAGG	CCGTGGATCC	AGGCCAACAT
50	73261	GCGAGGGGGG	ACGGGCTCG	CGGTGGTGGC	GTCGGTGAGG	AGAGTGGGGG	CGAGGACCCC
	73321	CGGGTCCGCC	TGCCGTGCG	GGGGGGCAGC	GGGGTCCCTCG	GGACCCGATC	CGCCATCCCC
	73381	CCCCGCAAGG	TCCC CGGGT	CGGGGGCGGC	GGTCGGGGCA	GAGGGACCTG	CCTCGTCGGC
	73441	GAGGGGGCGC	TGGTAAACCG	GGTGTCCC	GAACAGCTCC	CCCGTCAGGA	GGGAGGCCGTC
	73501	GAAGGGCCGC	CCGAGGATGG	CCCGCGCGA	GAAGGGGTCC	GGTCGGCGG	CGCTCGCCG
55	73561	GAGAACGTCC	CCCGCGGTAG	CCACAAACGG	AAGCTCCTCG	GTGGCCTCGC	TGCCACAAA
	73621	CCGCACGTCA	GGGGGGCGG	GGGGCTCCG	GGCTTCCCAC	AAGACCGCGA	CCGGGGTCAT
	73681	GGAGATGTCC	ACGAGGACCA	GGCACGGGGG	CCGTCGGCG	AGAGGGCGCT	CGGGCATGAG
	73741	CGCCGACAGG	CGCGGGAGCT	GGCCCGCCAG	ACACGCGTT	TCGATCGGGT	TGAGATCGGT
	73801	GTGGAGGAGG	CCGACGGCCC	ACGTCTCGAT	GTCGGACGAC	ACGACGTGCG	GCAGGGCGGC

	73861	GTCCGGCCCC	CCGGGGCGCG	AGTCGAAGAG	CGTCAGGCAC	AGTTCCAGTT	CCGACTCGCG
5	73921	GGAGAAGGCC	GTGGTGTGCG	GGAGCGCCAC	CACGACGGGC	GCGCGAGGGA	GCACCGCGGC
	73981	CAGAACCAAGG	TCCATGGCCG	TAACCGCGC	GGCAGGGGTG	CGGTGGGTGCG	CGGGGGCCAG
	74041	CACGGCCACG	TGCTGGCCCC	TGGGTCGGTA	GAGGGCCTGG	GGGGCCTCGG	GGAGGGACGC
10	74101	CTCGCGCCCC	CCCGCCGGGC	CGAGCGTCTG	GCCAGACTCC	AGGCGTGC	CCAGGAGGGC
	74161	GTCGAAGCTG	TCGTACTCGG	TGTAGTCGTC	GGGAAACATG	CAGGTCCACA	GCGCGGCCAA
	74221	AGCGCGCTC	GGCAGACACA	TGCGCCCGAG	GACGCTCACC	GCCGCCAGGG	CCTGGGCCGG
	74281	ACTGAGCTTC	CCGAGCGCCG	GGACGTCCC	GCGCTGGGT	CCGAGCTCCA	AGGCCGAGCG
	74341	CCAGGGCGCC	AGCAGGGTCGG	TTTCGGACAG	CTTGCCCCGG	CGCCAGTCGG	CCAGCCGCGT
15	74401	GCCGAACAGG	AGGCCCCGGG	TCGGGGGGCC	TCCGTCCAAA	AACGTGGCA	ACACGCCGAT
	74461	GCGGGCGTCG	GGATGCGGGG	TCAGGCGCTG	GACGAACAGC	ATGGACTCCG	CTGCGTCCTC
	74521	GAACCGCGT	TCGAGGGTGA	GGTGCATGTA	CTCGTGTGCG	CGAACGAGGT	CCAGGCGCCA
	74581	GAAGTTGTAG	ATGTGTTCCG	GAACGCCGGC	CACCAGCGC	ACCAGCACGT	CGTTCTCGTT
	74641	GAAGGGCAGC	CAGTGGCGCT	GGGACCCCCG	GGGGCCCGGC	GCGGGACGCG	GCGCGCCGC
20	74701	TCCGGACGCC	CAGCCCAGCT	GGGCCCAGCG	ACACCCAAAC	TCGCGCGTGA	GGGTGGTGGC
	74761	GACGAGGGCG	ACGTACAGCT	CGGGCGCCGC	GTCCATCGAG	GCGCCCCACG	TCGCTCTGGCG
	74821	ATGGCGCACG	AAGCGACCGA	ACAGCTGAAA	GTGAGGGGCC	TGGGCGTCGC	TGAGGGCCAG
	74881	CTGGAGCCGG	TTCACGACGG	TCAGCACGTA	CATGGCCGTG	ACCGTCGGGG	CCGATTGAG
	74941	GACGTCCGTC	GGAAAGGGGG	GCGCACGCA	GGCCGCCCTG	GGACGCATCA	GCAGCGCGCC
25	75001	GAGTTGTGCG	GTGACGGCCG	GGAAAGCATAG	CGCGTACTGC	AGCGGGCGTTC	CGTCGGGGGC
	75061	AAAAAAAGCTG	GTGGCGAACG	GCAGATCCAG	AGCGCTGACG	GCCTCACGCA	GCACCAAGGGG
	75121	CCCCGGGTCT	CCGCCGGCGC	GCAGATAACGC	CTCGCCCCGG	GGCGCGCAGCA	GCTGCGGGTC
	75181	GACCTCGTGG	CCCTCGGGGG	AAGAAGAGGC	CCGGGCGCGG	GCGTCGAGGG	CGCGAAAGATC
	75241	AACGAGCAGG	GGCGCGGGCG	CGGACTCCGC	GCCC CGC	GTCTGGCCGC	CGGCCCTGGC
30	75301	GTACCGCCTA	TATAAGCCCA	TGCGGTATTG	GATGAGTTCC	CGCGCGCC	GGAACTCCTC
	75361	CACCGCCCAC	GGGGGCCAGGT	CCGCGGCCGC	CGCGTCGAAC	TCCGCCAGCA	GGCCCCCCCAG
	75421	GGCGTCAAAG	TTCATCTCCC	AGGGCACCC	GCGCACCCACC	TCATCCC	GCCGGGGCGA
	75481	CAGGGCGGTG	TGCTTGGTGA	CGCGCGCGCC	CAGCTCTCC	ACGGCCTCG	CGCGCTCGGC
	75541	GCCCTTGGCG	CCCAGGACGC	CCTGGTACCT	GGCGGAAAGG	CGCTCGTAGG	CCGGCTGGGC
35	75601	CCGCAGCCCC	GACACCGTGT	TGGTGGTGT	CTGCAGGGCG	CCGAGCTGCT	CGTGATGGC
	75661	GCGGAACCCC	TCGGGGGACT	TCCAGGCGCC	CCCCCGGACG	GGGCCAAAGC	GACCCCAGAC
	75721	CTCGTCCCAC	TCCGCCTCGG	CCTCCTCCAG	GGACCTCCGC	AGGGCGTCGA	CGCGCGCCGC
	75781	AGTATCAAAG	AGCGCCCCCA	GGCGGCCGGC	GTGCGCGCC	AGGGGGCCGG	GGCGCTCGCC
	75841	GCAGGGCGCG	CTTAGCGGGT	GGGTCTCGAA	GGTGCCTG	GCGTGCCTA	GCCAGATAAC
40	75901	CGCGGGCAGC	TCGAGCTCGC	GGCTTTCTC	GGTCTGATCC	AACAGAACCT	CGACCTGGTC
	75961	GGCGATCTCC	GCCACCGAGC	GGCGCTGGTC	GAGCGTCTTG	GCCACGGTC	CGGGGACGGC
	76021	GACCACCTTC	AGCATGGTCT	TGAGGTTGGC	CAGGCCCTCG	GCCTCGATCT	GGGCCCGGGC
	76081	CTCGCGCGCG	GCCAGCGCCT	CCCCCAGGCC	CGCCATGACC	CGCTCGGTGG	CCTCCGCGCG
	76141	CTGCTGTTG	GGCGCACCAC	CTGCGTCCTT	GGTCTCGGCC	GTGTCCTGCC	GGGTACGAA
45	76201	GGCGACATAC	TCGGCGTACG	CCGTGTTCTT	CACGGGCTC	TGGTCCACGC	GCTCCAACGC
	76261	CGCCCGCAC	GCGACCAGCG	CGTCCTCGCT	GGGACACGGC	AGGGTGACCC	CGGTCCGGAC
	76321	CAGCTCCGCG	GTGGCCTCCG	GGTCATTCCG	GGCCGCGGAT	ATCTGCTCCG	CGGGCGCCGC
	76381	CAGGTCCAGG	GGCACGCCG	CGAGCGCCCG	GTGCACGTCG	GCCCGGATGG	CGTCCAGGC
	76441	ATCGCGGAGC	TCCACGTAGT	CGGGCTAGCC	ATGTTGGAAAG	AACGGCACGT	ACCGCGCAG
50	76501	GCCGGGCACG	CTCGTCATGT	CGTCCGCCAG	GCGCCCCACG	GCCTCGTGGT	AGTCGATAAA
	76561	CCCCTCGCCCC	GCCTGGGCCA	TTTCCAGGAG	CCCCTCCGCG	ATGCGCAGCA	GCCCGCGCCAG
	76621	GGGCTCGGGCG	TCGACCCGAA	ACATGTCGGC	GTAGGTTTCG	GCGCGGGCGT	GGAACGCCGC
	76681	GCTCCAGCCG	AGGGCGGTGA	TGGCGGCCAG	GGGGGGGAGC	ATGGGGTGGC	GCTGGTTCTC
	76741	GGGGGGTGTAG	GGGTTAAACG	CGAAGGCCGT	ATCCAGGGCG	AGGGTGACCG	CCTCGCGCTT
55	76801	GGCCCGCAGC	GCCTGCTCGG	CGCGCTTGC	GAAGTCCCGG	GGGTTGTAGC	CGTGCCTGCC
	76861	CGCCAGCGCC	TGCAAGGCCG	GCAGCTCGAC	CACGTCGAAC	TCGGCGCGGT	TCTCGACGCC
	76921	GTCCAGCGCC	GCCTCGACGC	CGGGGGCCCA	GGCCTCAAGT	TCGTCGGCGC	GGCGTCGCGT
	76981	CGCCCATCTTC	GCCGTCAGGT	CGGCGACGGC	GGCCTCAAGT	TCGTCGGCGC	GGCGTCGCGT
	77041	GGCGCCGATG	ACCTTGCCCA	GCTCCTGCAG	GGCGCGCCCG	CTGGGGGAAT	GGTCCCCGGC
	77101	CGTCCCTTCG	GCCTGCA	GGCCCCCGAA	CCCAGCTCG	TGCCCCGCCA	GGCTTTCCCCG
	77161	AGCAGCGGT	GTGCGCGGGG	CCCGGGCATC	GATGAGGGCG	GCATGGTCCC	CCTCCGGCTG
	77221	GGCGCAGGCC	CGGCGCGCCT	GGACTACCA	GTCGGCGGCC	GCGGACCCCA	GGGTCGTGAG
	77281	CTCGTCGATG	GCCCCCGCG	CCTCCAGGGC	CAGCCGAGTC	GCCTTTACAT	ACCCCGCGGC
	77341	GCTATCGGCC	AGCACCGCGA	GGAGGACAG	GGGCGAGGCC	GGGTCGCGGG	CGGCCGCGCC

	77401	CAGGGCCGAC	ACC CGT CCG	CCAGGGCGCC	ATGC GCC CGC	ACGGCCGCGT	CCACCGTCGC
	77461	CGC GGG ACTT	GCC GT CGC GA	CGG CGG CGCT	CCC GG CG TTG	ATGG CG TTT G	ACAC GG CT TT
5	77521	GGC GATT GTG	GGGG CGT GAT	CGG AAA AGAA	CTGC AC GAGG	ACC GG CGT CT	CGGGGG CGTC
	77581	GGC GAA CAGG	GTCT TCAG CA	CCACCA CGAA	GGCG GG ATGC	AGG CGG CGCA	GAG CC GT CGC
	77641	GGT ATCC GGG	GTC GGG GTG TT	CCAGGG C CTC	CCGG TA CTGC	CCC AGC AGCC	CCC ACAGG TC
	77701	CGCC CGC ACG	GCC CGC GTGA	CTT CC GGG GGG	GGGG CCC CGG	ACGG CAT CGG	CCAGG CT GG
	77761	CCAC CCC CGC	GGC AGGG AGGG	CCC CGA GGG T	CGCC AGC ACG	GCC GG ACAC G	CCTT AGCC
	77821	CACAA AGT CC	GGG AGGG GGG C	GCAGG AACCC	TTGG AGT TTG	TGC AGG AA	ACT TCC CGGG C
10	77881	GTC GT GGG CC	ACCT TGG CGC	GCT CCC CGC	GTC GT GAGC	ATCG CCT CCA	GGG CGT GGG C
	77941	GCG CT CCC GA	AGC CGG GAGC	GCG C	AGC GAG CTCC	GCC GT CAT CT	TGG CG C CTC
	78001	CAT GGG C CTC	GCCT GCG C	GCG CGT CT	GGCC AT CGC	GTGG CGT C	GGG ACAG CGCC
	78061	GCCCC CGT CG	ACGT AC GGG C	CGGG CGC GGT	CGCC CGG AC	AAGG CGC GGT	CGCT GT CCAG
	78121	CTG CT GCG CG	AGC GCG CG	CGAGGG CGTC	GAAG CGC TGC	AGTT CGG CCA	GCCCC GAG CT
	78181	GCG CG CGC C	TGCT GGG C	TGAT GCG	GAT GCT CGC	GCC AGC TCT	CCAGGG GCTT
15	78241	GCG TT CG ATG	AGCCC CT GGG	TCG CGG CGC	GGTC AGG ACC	GAG AGC CAGG	CCGCC CAGG TC
	78301	CTC GGG GGC A	TCT AGGG GCT	GGCCC CGC	GAG CAGG TCC	CCG AGC AGGA	TGG C
	78361	GCT GGG TGG CG	AGGG GGG GGC G	GGGG GGG GAG	CGCG GCG CGC	TGAG CGA CGT	CCC CGT GTG
	78421	TTGG TCAA AAG	GGCG GTAG CG	ATT CCAG CAA	CTGG ACC ATG	GGC AC GAC CG	CGG CG GAGG C
	78481	CAC GTG AAAC	CGAC AGT CGT	GGCT GT CGC	GGC CT CGC	GGCT TCG C	TGT ATAC GGC
20	78541	TCCCC CGT GG	AA GT ACT C	TGAC CGC	CTCG AT CGC	GGG CGG G	GGAT CC CGC
	78601	GTC CCT CC ACG	CGCG C	TGG C	GCCC AGG GCG	GGC GGG CAC	GGG CCG CT G
	78661	GCC CG CG C	GGGG CGG CGG	GCAC GGG C	CAC GG TC	GGCC CGG CGC	GCT GCG AGAC
	78721	CGAG TCG ACC	CCG CGG GGA	GGG CGT CTA	GGC CT CGC	ATCT CGC	CCT CC G CTC
	78781	GACCC CGC ATC	TCT CG C	GGG CAA ACT G	GGC CAG CGC	TGG AT CC G	GGAG AAG CGG
25	78841	CTC GGG GT GC	GTC GGG GT GG	CGGG GGC GAA	CAGGG TG	GGGT GGG CGC	GCG AGC GCT
	78901	CAGG AGC CAC	TCT CC GAG G	GTG CGT ACAG	ATT GG CCG	GGGG CGG CGC	GCAG CT G
	78961	ATCC AGG TCC	GCG AGG TCC	CGT AAA AGGC	GTCC GT C	CGA ATA AAC	GT
	79021	CAGG ACC ACG	TTAG CG AGGG	CCAGG CGC	GAT CT CG	TTTT CGT C	GCAC GT G
	79081	GAT GAG GGG C	CGGT GGG CGG	CCAC GT CC	CAGG CT	CGC GT G	CCAG GA AGTC
30	79141	CCC GAC CG G	GT TTT GCG	GCAG C	ATT GG CCG	GGG CCG G	CCG CG GCG G
	79201	GCC GGC CACC	CCGG C	TAT GCG T	GGCC CG	TG C	CGAT CAAA
	79261	GCG CT CAA AAG	AAGA AGA TGA	CGC AGA G	CAAC AGC	GGG TGC G	GGT AC CGG C
	79321	CCG CAG GGC G	TTG AT GGT G	GCT CG A	CGC GGC	CG	AGG CG AGG AC
	79381	GCG CG CG CG	AGCC GG AC	CCG TGG CG	CA CATT G	TGG AC CT	ACAG CT G
35	79441	CAGG TCG CG	CCGG GGG G	CCGG GGG G	GGGG CG C	AGC GT CT	GCAC GG AC GG
	79501	CGAC GAC GGG	CTCG CG GGG	CGT CGT C	GCC GCG	CCG G	GGGG GT ATC
	79561	CGGT GCG GGA	GGG ACC GT	CGG CT AT G	CGT CGG	GAGG CG G	CCT CG CG G
	79621	GAC GGG GGC C	TTCT TCT	GGC CG GACT	CTT CT G	TTGG CG G	GGG CTT TGG
	79681	GGCG GGC CT C	TCG C	TCAG AT CC	CAC GCT	GGT GGG	AGG TGG CG
40	79741	GC GG CG CTT G	GGCA AG CGG	TAGA AT AG	CGCC CG	CG ACC CAC	GA CACT G
	79801	CAC CT CC A	ACCC CG CAG	GT	TC CG CG	CCCC CG	GT GT CT G
	79861	GGG CG GGG G	GCG TCG G	GAC CC GAG	CGC GG CG	GGG CG G	GCT TC G
	79921	CGGG GT C	TCC AGG G	CTG C	ATCA TCG	GGG CG G	GGT G
	79981	CTG CG GT G	TG GGT G	CCG AGG C	GGGG G	GGT GGG G	GGT CG G
45	80041	AGGG GT CT G	ACG TGG G	GC GCG G	CGC GGG	AC CGG G	AGC CTT C
	80101	GTC CCCC CT G	GGG ACC A	CGAC AA AG	CGCC CG	AGC C	CGCC CG
	80161	GGGG TGG GT	ATGG CC	GC CG CT	GAAC GGT	CC	GT
	80221	GGCC CG TAG	AGGT G	CCG CG G	CAGG TCC	GGC	CCCC CG G
	80281	GGAG GG CACA	AAAA ACAC	CA	CCAC CG	TTGG G	CGT GGG C
50	80341	ATAC GT CAG	TAC GGG T	CGT CG C	CCG CAC	GG G	CGGG CG
	80401	CGCG GG CAG	CCG TCG G	CAA ACAG	GG CG T	CCG T	AGAG CCCC
	80461	GCCC AGG GGG	CCG AT G	GGAG CG	GG AC AG	GG CG	AGGG CG G
	80521	GAAG AAC GT	TGCG CG	ATT GCG	CAG CAG	GG CG T	CCCC GAA
	80581	GCCC ACCT CG	CCGT AC	GCG AAA ACAC	GCA AC	CCG CG	CCG CG G
55	80641	CTCC AGG AAG	TTGG GAG	CGATA AT G	ACAC AT	GGC GG	AGCC CG G
	80701	CGCG CG CG	CACT CG	CCT C	ACAT CCC	TC	CGG AC AGC
	80761	GTC GCG GGG	CCC AC GT	AAAG AAG	GAG AAC	GAC	AGGG AC G
	80821	TAC CG ACC	CCC GG CT	CA	GAT CG	AACT G	GCAT G
	80881	ATCG CG AT C	CCCT GG CG	CT	TCAT CG	GGAG GT	AGC

	80941	CGCGCCCGCC	ACGAGCAGGGG	CCTGTTTATG	GGCCGGCGT	CCCGATGAGT	ACTGTTGTT
	81001	CCGCCGCCG	AACCCCCCG	CCCATCAACC	GCCTGTTCGT	CCCCCTAAC	ACACACCCGG
	81061	TATCGCGTGT	GTGTGGTTTC	CCGGGAAGAC	ACATCCCACC	CCATGAAGTT	TTGCCCTTT
5	81121	TTTCCGTCCC	GCACTACGCC	ACCTTCCAC	CCCCCCCCAA	AAAAACAACA	ACCAACTCCC
	81181	AGATGGATGG	GTGCGATAAT	AAAGCTTTAT	TATTGTTAA	CCAAAGGCAGA	GTCCTACGGG
	81241	TGTACCGGTG	GTGTCTCCGT	CGCGTCATC	TCGTCGTCCT	CCACGGGGGT	GTTGGGCCAA
	81301	GGGACCGTCT	CGCGGCCCGC	CGGGCGCGTC	GACGGCGCGC	GGGCCTGCGT	GTCCTGTGGG
	81361	CGGGGTGTGCG	TGGGTTCGGG	GGTGCTACCG	CCGGCATCTT	GGGCCTCCAG	GTCCCCGGGG
10	81421	GCCCCCGGGC	CGGCGGAAGG	CCGAAACGCC	GAGGCGCGAA	ACACGCCGTC	GGTGACCTGC
	81481	AGGAGCTCGT	TTATTAAATAG	CCAGTCCATG	CTCAGCGTAG	GGGCCAGCCC	CTGGGGAGAC
	81541	AGGTCCACGG	AGTCCGGAAC	CACCGTCGGC	TGACCCAGGG	GCCCCAGGCT	GTAGTCCCCC
	81601	CAGGCCCCCA	GGTCATGACG	GTTCGTGAGC	ACGACGAGGT	CTGCGGCCGG	GCTGGGGGGC
	81661	GCGTCCTCGG	TCGCGTGGGC	CATCACCTCC	TGAATGGCTG	GGTGCCTGCTG	ATCGGCCGAG
15	81721	CTGGCGAAGC	GCGCCACGAC	CAGCGCGCGC	TCCGTCTGCA	GGCCCTTCCA	CGTGTCTGGG
	81781	AGTTCCTGAA	CGAACCTCGGC	CACCGCTCG	GGGCCCCGTG	CCGCGCGTGC	GCCCTGATAG
	81841	CGGGCCGAGA	GGCGCCGCCA	CGCGGCCAGG	AACTGACTCA	TGTAACAGAA	CCCGGGGACC
	81901	TGGTCCCCCG	ACATCAAACCT	TGACGCCCTG	GGCGTGGATGC	CCGACACGAT	GGCCAGGAAC
	81961	CCGTGGATTT	CCCGCCGCAC	GACGGCCAGC	ACGTTACCCCT	CGTGCAGAGAC	CTGGGCCGCC
	82021	AGCTCGTCGC	ATACCCCGAG	GTGCGCCGTC	GTCTCGGTGA	CGACGGACCG	CAGCCCCGCG
20	82081	AGGGACGCGA	CCAGCGCGC	CTTGGCGTCG	TGATACATGC	CGCAGTACTG	GTCACCGCG
	82141	TCGCCCATGG	CCTCGGGCG	CCAGGGCCCC	AGGCGCTCGT	GGGCGCTCTG	GACCACGGCG
	82201	TACAGGCGGT	GCCCCTCGCT	CTCGAACCGG	CACTCAAAGA	AGGCGGGCGAG	CGTGCACATG
	82261	TGCAGCCGCA	GCAGCACCGAT	CGCGTCCTCC	AGCTGGCGGA	CCAGGGGGTC	GGCGCGCTCG
	82321	CGAGAGCTCCT	GCAGCACCCC	CCGGGCCCGCC	AGGGCGTACA	TGCTGATCAG	CAGCAGGCTG
25	82381	CTGCCACCT	CGGGAGGCTG	GGGGGGGAGG	AGCTGGACCG	GGGGCCGCAG	CTGCTCGACG
	82441	GCCCCCTGG	CGATCACGTA	CAGCTCGCGC	AGCAGCTGCT	CGATGTTGTC	GGCCATCTGC
	82501	ATCGTGGGCC	CGACGCCGGC	CCGGGTGGCC	GGTTCGAGGA	GGGTGATCAG	CGCGCCCAAT
	82561	TTTGTGCGGT	GCCCCTCGAC	GGTGGGGAGA	TAGCCCAGGC	CGAAGTCGCG	CGCCCAGGCC
	82621	AGCACCCGCA	GGGCAAACCTC	GATGGGGCGG	GGCAGGGTAGG	CAGCGTTGCA	CGTGGCCCTC
30	82681	AGCGCGTCCC	CGACCACCG	GGCAGCACG	TAAGGGACGA	ACCCCGGGTC	GGCGAGGACG
	82741	TTGGGGTGGA	TGCCCTCCAG	GGCCGGGAAG	CGGATCTTGG	TGGCCGCGGC	CAGGTGAACC
	82801	GAGGGGGCGT	GGCTAGGCGG	CCCGACGGGG	AGCAGCGCGG	ACAGCGGGGT	GGCCGGGGTG
	82861	GTGGGGGTCA	GGTCCCAGTG	GGTCTGGCCG	TACACGTCGA	GCCAGATGAG	CGCCGTCTCG
	82921	CGCAGGAGGC	TGGGCTGGCC	GGCGCTGAAG	CGCGCTCTGG	CCGTCTCAA	CTCCCCCACG
35	82981	AGCGTGCGCC	GCAGGCTCGC	CAGGTGTTCC	GTGGCACGG	CCGGGCCCAT	GATGCGCGCC
	83041	AGCGTCTGGC	TGAGGACGCC	GCCCGACAGG	CCGACCGCCT	CACAGAGCCG	CCCGTGCCTG
	83101	TGCTCGCTGG	CGCCCTGGAT	CCGCCCGGAAC	GTTTTCACGT	AGCCGGCGTA	GTGCCCCGTAC
	83161	TCCCGCGCGA	GCCCCAACAC	GTTCGCCCCC	GCAAGGGCAA	TGCACCCAAA	GAGCTGCTGG
	83221	ATCTCGCTGA	GCCCCTGGCC	GGGGGGCGTC	CGCGCGGGCA	CCCCCGCCAC	AAAAAACCCC
40	83281	TCCAGGGCCG	ATATGTAATG	GGTGCAGTGC	GGGGCGCTGA	ACCCCACGTC	GGTAAGCGTG
	83341	TTGATCACCA	CGGAGGGCGA	GTGCGTGTTC	TGGACCAAAG	CCCACGTCG	CTGCAGCAGC
	83401	GCGAGGGAGCC	GTTGCTGGC	CCCGGCGGGAG	GGCGGCTCCC	CTAGCTGCA	CAGGCCGGTG
	83461	ACGGCCGGAC	GGAAGATGGC	CAGCGCCGAC	GCACTCAGAA	ACGGCACGTC	GGGGTCGAAG
	83521	ACGGCCCGGT	CCGTCCGCAC	CGCGGCCATC	AGCGTCCCCG	GGGGCGCGCA	CGCCGACCGC
45	83581	GGGCTGACGC	GGCTTAGGGC	GGTCGACACG	CGCACCTCCT	CGCGACTCG	AACCATTGG
	83641	GTGGCCCTCGA	GGGGCGGGAT	CATGATAGCC	GGGTCGATCT	CCCGCACCGT	GTGCTGAAAC
	83701	TGGGCCAGCA	GCGGCGGCCG	GACCAACGCG	CCCCGATCGG	GGGTGCTGAG	GTAGTCGTC
	83761	ACCAGCGCCA	GCGTAAACAG	GGCCCGCGTG	AGGGGGGTCA	GGGCGGGCGT	GTCGATGCGC
	83821	TGTAGGTGCG	CCGAGAACAG	CGTCACCCAA	TTGCTGACCA	GGGCAAGAA	CCGGAGACCC
50	83881	TCTTGCACGA	TGGGGACGG	GAAGAGCAGG	CTGTACGCCG	GGGTGGTCAG	GTTGGCGCCG
	83941	GGTTGCCCGA	GGGAACCGG	GGACATCTTA	AGCGACATCT	CCCCGAGGGC	CTCCAGGGAG
	84001	GTCCCGGGGT	TCATGGCCAG	GCAGCTCTGG	GTGACGGTCC	GCCAGCGGT	GATCCACTCC
	84061	ACGGCACACT	GGCGGACGCG	CACCGGCC	AGGGCCGCCG	GGGTGCGCAG	CCCGGCGGCC
	84121	TCCAGCGCGT	GGGTGCGTGC	GGAGCCGGTG	ATCGCCAGGA	CCGTGTCCTT	GATGACGTCC
55	84181	ATCTCCCGGA	AGGCCGCCTC	GGGGGTCTCG	GGGAGCGCCA	CCGCCATGCG	GTGCAACCAGC
	84241	AGCCCCGGGA	GGTCTCGGC	CAAGAGCGCC	GTCTCCGGAA	GGCCCGTGGGC	CCGGTGCAG
	84301	GCGCACAGTT	GCTCCAGGAG	CGGGTGCCAG	CACGCCCGCG	CCTCCGCGGG	GCCGACCGCC
	84361	GCGCCCGACA	ACAGAAACGC	CGCCCGTGGCG	GCGTGCAGTT	TGGCCGCGGA	CAGAAACGCC
	84421	GGCTCGTCCG	CGCTGCCGC	GAGGGGGAGG	GGGGCCGGCG	GAGGTTGGTC	

	84481	AGGCTCCCCA	ACAGGACCTG	CAACGGTCCG	TTTGGGGGTG	GAGCGGACGG	GGGGGTCA	TG
	84541	CCGGCGGGCG	CCGGGACCTG	GAGCGCCTG	TCCGACATGG	CGACC	GGCGT	CGG
5	84601	CGACGCCGCG	CGGAGACC	GGGCCAAAC	GGGAATGACT	GCCGCCGCC	TATA	ACGGAGG
	84661	GGCTAAGTAT	CGCCC	GGGG	CCCTCGAAA	CCCCGGG	GT	CGCAAGTA
	84721	GCGCGGCGTG	TTATACGGCG	CGTTATGTCC	CGGCATTCCG	TTCGTGGG	TT	CGGGCCCGGG
	84781	TGCTGTGGG	TGGGAGTGTG	TGTGGGGGGG	GGCGGCGCGA	CGGCGGCCG	GACCA	AGTGT
	84841	ATCGCGGCCG	TTCCGTGGG	CGGCCAAACA	GGCCCTTAA	ACATT	TGCGT	ATGCACCGGC
10	84901	CCAGCCAGTC	GGACACCGGA	ACCCACCAGA	GGCGGAAGCC	GCCTTCGCC	GTGAGGG	TG
	84961	GTGTGTTTC	TGGTGGCGTG	TTTTCTT	CCGCC	CTC	CT	CCACCA
	85021	CCCCCCCACA	ACTCGCCCGT	TGGCGATCGG	CGGGAAAACC	ATGAAAACCA	AGCC	ACTCCC
	85081	GACAGCCCCG	ATGGCGTGGG	CCGAGAGTGC	CGTGGAAACC	ACCACCAGCC	CGCGC	GAGCT
15	85141	CGCGGGCCAC	GCCCCGCTCC	GGCGCGTCC	GCGCCGCCC	ATCGCTCGCC	GCGA	CGGGCC
	85201	GGTGCTTTG	GGGGACAGGG	CCCCCAGGAG	GACGGCCAGT	ACGATGTGGC	TGCT	GGG
	85261	CGACCCCGCG	GAGTCGTC	CGGGAACCGG	CGCTACCCGA	GACGATAACCG	AGCAG	GGCGT
	85321	GGACAAAGATC	CTCAGGGAG	CCCCGGCGC	GGGAGGGCTG	ACCGT	CCCCG	GCGCCCCCG
	85381	CTATCACCTG	ACCCGCCAGG	TAACCC	GGATCTCTGC	CAACCAAACG	CGGAG	CCGGC
	85441	CGGGCGCTC	CTTTTGGCC	TGCGGCACCC	CACCGACCTC	CCCCACCTGG	CCCGCC	CATCG
	85501	GGCTCCGCC	GGCCGGCAGA	CCGAGC	GGCCGAGGCC	TGGGGCCAGC	TCCT	GGAGGC
20	85561	CTCCGCC	GGGTCCGGG	GGGCCGAGAG	CGGCTCGCG	CGCGC	GGG	CC
	85621	TAAC	TTCTG	GTGGCCCGT	GCGCCGCC	CTACGATGCG	CGCGA	GCGGT
	85681	CCGGGCCCAC	ATCACGACCA	ACTACGGCGG	GACGCGGGC	GGGGCGCGC	TGGAC	GGGTT
	85741	TTCCGAATGC	CTGCGGCCA	TGGTCCACAC	GCACGTGTT	CCCCACGAGG	TCAT	GCGTT
	85801	TTT	CGGGGGG	CTAGTGTG	GGGTCACACA	GGACGAGCTG	GCTAG	GTC
25	85861	CAGCGGACCC	CAGGAGGCCA	CACACACC	CCACCCGGG	AGGCCCCGTT	CGGCC	GTTAC
	85921	CATCCC	GGGCC	TGCGC	TGGACCTGGA	CGCCGAGCTG	TGCCT	GGGG
	85981	GGCGTTCTG	TACTTGGT	TCACCTACCG	ACAGTGC	GACCAAGAGC	TCTGTT	GCGT
	86041	GTACGTGGTC	AAGAGCCAGC	TCCCCCGCG	CGGACTGGAG	CGGGCC	CTCG	AGCGG
	86101	CGGGCGCTC	CGGATAACCA	ACACGATTCA	CGGGGGCGAG	GACATGACG	CCCCT	CCCC
30	86161	GAACCGAAAC	GTTGACTT	CGCTCGCG	CCCCGGCG	AGCTCGCA	CCCCG	GGGTG
	86221	CTCGCGGAGC	CAAGTCACGA	ACCCCCAGTT	TGTCGACAGG	CTGTACCG	GGCAG	CCGGA
	86281	TCTGGGGGG	CGCCCTACCG	CACG	CACATACGCC	GCCTTC	CGCAG	AGCTGGG
	86341	CATGCCAGAC	GACAGCCCCC	GCTGTCTGCA	CCGCA	CGGTTTGGG	CGGT	CGCGT
	86401	TCCGGTTGTC	ATCC	TGGAGG	GCGTGGTGT	GCGCGGCG	GGGT	GGCGG
	86461	ATCGTCTATT	GACGACGGCC	GGCCAACCC	AGC	ACCTTC	CCCT	CCCC
35	86521	TACACACAA	CTCCGCC	GGCGTCTT	CCGTGCG	CCCCGTGCG	CCGT	CTCAAT
	86581	AAAGCCAGGT	TAAATCGT	ACGTGGTGT	TTTGGCGT	GTCTCTGAA	TGGCG	AAAC
	86641	CGACATGAA	ATGGGATTC	TGGACATGTT	ACACCCCC	GA	CTCAGGAG	ATAGG
	86701	CCTCCTTAGA	TTGACTCAGC	ACACGATCG	ACCCCACCC	TGTGTG	CCGG	GGATAAAAGC
	86761	CAACCGGGC	GGTCTGGG	ACCACAA	AG	GTGGGTG	CGGGG	ACTTG
40	86821	CTCTCCTGCG	AGCCCTC	ACG	TCTTCG	CCGATT	TTGCG	TCT
	86881	GCTGCTCTG	CGACAGATTG	TTGGCG	ACTG	CCC	GGGTG	ATCG
	86941	TCGGTCGTAC	CGCCCACCC	GCCT	CCCAC	GG	CCC	CCG
	87001	GAGCCACCGT	CACCTTGGT	CCAATGGCA	ACC	CCCTG	CG	CATCCG
	87061	CGCGGTCTCC	GTCCGAA	CAGGAACCC	GGGAGCCG	G	GTG	CCCC
45	87121	ACCACGTGTT	TTGCAGG	AAA	GTCAGCG	TGATGGT	TTCC	AGCGAT
	87181	CCGCGGCTA	CCG	CATTAGC	GACAGCAG	TTGTT	CAATG	TGCA
	87241	TAATCGACGG	AGACGTGGC	CGCGG	TATT	TGCGT	GACCT	ACG
	87301	GCGCCTCGT	CGCGA	TC	ACGTC	CCGG	GGAGG	CC
	87361	CGCTCGCGG	AACTC	GGC	CGTCC	CTACAT	GGGG	ACCCAG
50	87421	AGTTCC	CCA	GGAAC	AGGAC	AA	CCCCA	AGCGT
	87481	CCCCTCCTCC	CCC	CTT	CC	GGCT	CCAA	CCCC
	87541	GCGCCGAGAA	GGACGT	GGG	CCCGG	CATGG	CCGG	CGT
	87601	AAACGGAGGA	CTCGG	ACT	TCGG	AGG	AGAC	TCCGACT
	87661	CTTCGATCTG	GGCCG	CAGGG	GCGA	TG	GTG	ACG
55	87721	ACGACTCCGT	GCAG	CCC	GAC	TTGTC	GTC	CGAC
	87781	TGGC	CTT	CC	GGCG	CGCG	GGG	CCCC
	87841	GCACCGGGCC	GGG	CTC	CCG	AGT	GCTG	CG
	87901	ACGCCGCGC	ACCC	CAGG	GAC	GTGG	CCG	TCCG
	87961	CGGAC	CCC	GGG	CTAC	CC	ACG	CGGG

	88021	GGTTTCTGGG	GGACGCCGTC	GACCGCGAGC	CCGCCTCAT	GCTGGAGTAC	TTCTGTCGGT
	88081	GCGCCCGCGA	GGAGAGCAAG	CGCGTGCCCC	CACGAACCTT	CCGCAGCGCC	CCCCGCCTCA
5	88141	CGGAGGACGA	CTTTGGGCTC	CTGAACATACG	CGCTCGCTGA	GATGCACGC	CTGTGCCTGG
	88201	ACCTTCCCCC	GGTCCCCCCC	AACGCATACA	CGCCCTATCA	TCTGAGGGAG	TATGCGACGC
	88261	GGCTGGTTAA	CGGGTTCAA	CCCGTGGTGC	GGCGGTCCGC	CCGCCTGTAT	CGCATCCTGG
	88321	GGGTTCTGGT	CCACCTGCGC	ATCCGTACCC	GGGAGGCCTC	CTTGAGGGAA	TGGATGCGCT
	88381	CCAAGGAGGT	GGACCTGGAC	TTCGGGCTGA	CGGAAAGGCT	TCGCGAACAC	GAGGCCAGC
	88441	TAATGATCCT	GGCCCAGGCC	CTGAACCCCT	ACGACTGTCT	GATCCACAGC	ACCCCGAACAA
10	88501	CGCTCGTCGA	GCAGGGGCTG	CAGTCGGCGC	TGAAGTACGA	AGAGTTTAC	CTCAAGCGCT
	88561	TCGGCGGGCA	CTACATGGAG	TCCGTCTTCC	AGATGTACAC	CCGCATCGCC	GGGTTTCTGG
	88621	CGTGCCGGGC	GACCCGCGGC	ATGCGCCACA	TCGCCCTGGG	GCGACAGGGG	TCGTGGTGGG
	88681	AAATGTTCAA	GTTCTTTTC	CACCGCCTCT	ACGACCACCA	GATCGTGCGC	TCCACCCCCG
	88741	CCATGCTGAA	CCTCGGAACC	CGCAACTACT	ACACGTCCAG	CTGCTACCTG	GTAAACCCCC
15	88801	AGGCCACCAC	TAACCAGGCC	ACCCCTCCGGG	CCATCACCGG	CAACGTGAGC	GCCATCCTCG
	88861	CCCGCAACGG	GGGCATCGGG	CTGTGCATGC	AGGCCTTCAA	CGACGCCAGC	CCCGGCACCG
	88921	CCAGCATCAT	GCCGGCCCTG	AAGGTCCCTCG	ACTCCCTGGT	GGCGGCGCAC	AACAAACAGA
	88981	GCACCGGCC	CACCGGGCG	TGCGTGTACC	TGGAACCCCTG	GCACAGCGAC	GTTCGGGCCG
	89041	TGCTCAGAAT	GAAGGGCGTC	CTCGCCGGCG	AGGAGGCCA	GCGCTGCGAC	AACATCTTC
20	89101	GCGCCCTCTG	GATGCCGGAC	CTGTTCTTCA	AGCGCCTGAT	CGGCCACCTC	GACGGCGAGA
	89161	AAAACGTCAC	CTGGTCCCTG	TTCGACCGGG	ACACCAGCAT	GTGCGTCGCC	GACTTTCACG
	89221	GCGAGGAGTT	CGAGAACGCTG	TACGAGCACC	TCGAGGCCAT	GGGGTTCGGC	GAAACGATCC
	89281	CCATCCAGGA	CCTGGCGTAC	GCCATCGTGC	GCAGCGCGC	CACCAACCGA	AGCCCCTTCA
	89341	TCATGTTAA	GGACGCGGTA	AACCGCCACT	ACATCTACGA	CACGCAAGGG	GCGGCCATCG
25	89401	CCGGCTCCAA	CCTCTGCACC	GAGATCGTCC	ACCCGGCCTC	CAAGCGATCC	AGTGGGGTCT
	89461	GCAACCTGGG	AAGCGTGAAT	CTGGCCCGAT	GCGTCTCCAG	GCAGACGTTT	GACTTTGGGC
	89521	GGCTCCCGA	CGCCGTGCG	CGCGTGCCTGC	TGATGGTCAA	CATCATGATC	GACAGCACGC
	89581	TACAACCCAC	GCCCCAGTGC	ACCCCGCGCA	ACGACAAACCT	GCGGTCCATG	GGCATTGGCA
	89641	TGCAGGGCCT	GCACACGGCG	TGCGCTCAAGA	TGGGCCTGGA	TCTGGAGTCG	GCCGAGTTCC
30	89701	GGGACCTGAA	CACACACATC	GCCGAGGTGA	TGCTGCTCGC	GGCCATGAAG	ACCAGTAACG
	89761	CGCTGTGCGT	TCGGGGCGC	CGTCCCTTCA	GCCACTTTAA	GCAGCAGCATG	TACCGGGCCG
	89821	GCGCTTTCA	CTGGGAGCGC	TTTCGAAACG	CCAGCCCGCG	GTACGAGGGC	GAGTGGGAGA
	89881	TGCTACGCCA	GAGCATGATG	AAACACGGCC	TGCGCAACAG	CCAGTTCATC	GCGCTCATGC
	89941	CCACCGCCGC	CTCGGCCAG	ATCTCGGACG	TCAGCGAGGG	CTTTGCCCGC	CTGTTACCA
35	90001	ACCTGTTCA	CAAGGTGACC	AGGGACGGCG	AGACGCTGCG	CCCCAACACG	CTCTTGCTGA
	90061	AGGAACCTCGA	GCGCACGTT	GGCGGGAAAC	GGCTCTGGA	CGCGATGGAC	GGGCTCGAGG
	90121	CCAAGCAGTG	GTCTGTGCC	CAGGCCCTGC	CTTGCCCTGG	CCCCGCCAAC	CCCCCTCCGGC
	90181	GGTTCAAGAC	GGCCTTCGAC	TACGACCAAG	AACTGCTGAT	CGACCTGTGT	GCAGACCGCG
	90241	CCCCCTATGT	TGATCACAGC	CAATCCATGA	CTCTGTATGT	CACAGAGAAAG	GCGGACGGGA
40	90301	CGCTCCCCGC	CTCCACCTG	GTCCGCCCTC	TCGTCCACGC	ATATAAGCGC	GGCCTGAAGA
	90361	CGGGGATGTA	CTACTGCAAG	GTTCGCAAGG	CGACCAACAG	CGGGGGTGTTC	GCCGGCGACG
	90421	ACAACATCGT	CTGCACAAGC	TGCGCGCTGT	AAGCAACAGC	GCTCCGATCG	GGGTCAGGCG
	90481	TCGCTCTCGG	TCCCCATAT	CGCCATGGAT	CCCGCCGTCT	CCCCCGCGAG	CACCGACCCC
	90541	CTAGATACCC	ACGCGTGGGG	GGCCGGGGCG	GCCCCGATTG	CGGTGTGCCC	CACCCCGAG
45	90601	CGGTACTTCT	ACACCTCCA	GTGCCCCGAC	ATCAACCAAC	TTCGCTCCCT	CAGCATCCTG
	90661	AACCGCTGGC	TGGAGACCGA	GCTCGTGTTC	GTGGGGGACG	AGGAGGACGT	CTCCAAGCTC
	90721	TCCGAGGGCG	AGCTCGGCTT	CTACCGCTTT	CTGTTTGCCT	TCCTGTCGGC	CGCGGACGAC
	90781	CTGGTGACGG	AAAACCTGGG	CGGCCTCTCC	GGCCTCTTCG	AACAGAAGGA	CATTCTTCAC
	90841	TACTACGTGG	AGCAGGAATG	CATCGAGGTC	GTCCACTCGC	GCGTCTACAA	CATCATCCAG
50	90901	CTGGTGCTCT	TTCACAAACAA	CGACCAAGGC	CGCCGCGCCT	ATGTGGCCCG	CACCATCAAC
	90961	CACCCGGCCA	TTCGCGTCAA	GGTGGACTGG	CTGGAGGC	GGGTGCGGGGA	ATGCGACTCG
	91021	ATCCCCGAGA	AGTTCATCCT	CATGATCCTC	ATCGAGGGCG	TCTTTTTGTC	CGCCTCGTTC
	91081	GCCGCCATCG	CGTACCTGCG	CACCAACAAAC	CTCCTGCGGG	TCACCTGCCA	GTCGAACGAC
	91141	CTCATCAGCC	GCGACGAGGC	CGTGCATACG	ACAGCCTCGT	GCTACATCTA	CAACAACCTAC
55	91201	CTCGGGGGCC	ACGCCAACCC	CGAGGCGGGCG	CGCGTGTACC	GGCTGTTTCG	GGAGGCGGTG
	91261	GATATCGAGA	TCGGGTTCAT	CCGATCCCAG	GCCCCGACGG	ACAGCTCTAT	CCTGAGTCGG
	91321	GGGGCCCTGG	CGGCCATCGA	GAACATACGTG	CGATTCAAGCG	CGGATCGCCT	GCTGGGCCTG
	91381	ATCCATATGC	AGCCCCCTGTA	TTCCGCCCCC	GCCCCCGACG	CCAGCTTTCC	CCTCAGCCTC
	91441	ATGTCACCG	ACAAACACAC	CAACTTCTTC	GAGTGGCGCA	GCACCTCGTA	CGCCGGGGCC
	91501	GTCGTCAACG	ATCTGTGAGG	GTCTGGCGC	CCTTGTAGCG	ATGTCTAAC	GAAATAAAGG

	91561	GGTCGAAACG	GACTGTTGGG	TCTCCGGTGT	GATTATTACG	CAGGGGAGGG	GGGTGGCGGC
	91621	TGGGAAAGG	GAAGGAACGC	CCGAAACCAG	AGAAAAGGAC	CAAAGGGAA	ACGCGTCCAA
5	91681	CCGATAAATC	AAGCGCCGAC	CAGAACCCCG	AGATGCATAA	TAACGATTT	ATTACTCTTA
	91741	TTATTAACAG	GTCGGGCATC	GGGAGGGAT	GGGGGCGC	GTTCCTCCG	TTCCGGCTAC
	91801	TCGTCCCAGA	ATTAGCCAG	GACGTCTTG	TAAAACGCG	GCAGGGGCC	GTGGGCCAC
	91861	AGCTGCGCCA	GAAACCGGT	GGCGATGTCC	GGGGCGGTGA	TATGCCGAGT	CACGATGGAG
	91921	CGCGCTAAAT	CTTCGTCGCG	GAGGTCTGA	TAGATGGCA	GTCTTTTAG	AAGAGTCCAG
	91981	GGTCCCCGCT	CCTTGGGCT	GATAAGCGAT	ATGACGTACT	TGACGTATCT	GTGCTCCACC
10	92041	AGCTCGGCAGA	TGGTCATCGG	ATCGGGCAGC	CAGTCCAGGG	CCTCCGGGC	GTCGTGGATG
	92101	ACGTGGCGGC	GACGTCCGGC	GACATAGCCG	CGGTGTTCCG	CGACCCGCTG	CGCGTTGGGG
	92161	ACCTGCACGA	GCTCGGGCGG	GGTGAGTATC	TCCGAGGAGG	ACGACCGGGC	GCCGTCGCGC
	92221	GGCCCACCGG	CGACGTCCGG	GGGCTGGAGG	GGGGGGCTT	CTTCGTAGTC	GTCCTCGCCC
	92281	GCGATCTGTT	GGGCCAGAAT	TTCGGTCCAC	GAGATGCGCG	TCTCGAGGCC	GACGGGGGCC
15	92341	GCGGTCAAGCG	TAGGCATGCT	CTCCAGGGAG	CGCGAGTTGG	CGCGCTCCCG	CCGGGCCGCC
	92401	CGGCGGGCCT	GGGATCGGCT	CGGGCGGGTC	CAGTGACACT	CGCGCAGCAC	GTCCTCGACG
	92461	GACGCGTAGG	TGTTATTGGG	GTGCAGGTCT	GTGTGGCAGC	GGACGAACAG	CGCCAGGAAC
	92521	TGCGGGTAAC	TCATCTGAA	GTACTGCAGC	AGGTCGCGGC	AGTGAATCGT	CGGAATGTAG
	92581	CCGGTGTCTGA	TGTCCAACAC	GATATCGCAG	CCCATCAGCA	GGAGATCGGT	ATCCGTGGTA
	92641	TGCACGTACG	CGACCGTGT	GGTATGATAG	AGGTTCGCGC	AGCGTGTGTC	GGCCTCCAGC
20	92701	TGACCCGAGT	TGATGTAGGC	GTACCCCAGC	GCCCAGAAGA	CGCGGATACA	GAACAGGTGA
	92761	GCCAGGCAGA	GGGCCGGCTT	CGAGGGCGCG	CCCGAGGGGG	CCGCCGGGCC	TGGGCCGGCG
	92821	GCCCGCGTTC	CCCGGTCCCC	CGGGGCGAAG	CGGTGCCCGC	GGCGGCGCAT	GTTGAAAAG
	92881	GCGAAACTGG	GCCTGGAGTC	GGTGATGGGG	GAAGGCGCG	CGGAGGCGTC	TACGTCACTG
	92941	GCCTCCTCGT	CCGTGCGGCA	CTGGGCCGTC	GTGCGGGCCA	GGATCGCCTT	GGCCCCGAAC
25	93001	ACAACCGGCT	CGGTACACTC	GACCCCGCGA	TCGGTCACGA	AGATGGGAA	CAGGGACTTT
	93061	TGGGTAACACA	CCCGTAACAT	ACTACAGAGA	CAGTGTAGCG	TGATTGCCCTC	CGGGTCGTAA
	93121	CTTGGGTAGC	GGCGCTGATA	TTTAACCACC	AGGGTATACA	TGACATTCCA	CAGGTCCACG
	93181	GCGATGGGGG	TAAAGTAGCC	CTCCGGGGCC	CGGAGGCCCC	GGCGCTTCAC	CAGATGGTGA
	93241	GTCTGGCAA	ACTTCATCAT	GCCAAACAGA	CCCATTCCGG	CACGATTGTA	GGTGCAGATA
30	93301	GGTCTCTCTA	CAGAGCTGTA	TAGGTGTGAC	GGTCCGGGAC	ACCCAAGCCC	GCCGCCCTGT
	93361	TGTACAGTGG	CTGCGGCGAC	GACCCCGCTC	CAACAAGACG	CTATCCCAGG	AAAGGCACGC
	93421	TCTTTATAAT	TCTTTTTAT	TTCCCATCTA	CGTGCAGGATT	GGTGCACACCG	CCGGCGCGCG
	93481	CCGGTGCAGG	CCGACCATCT	CTCTCTTCCC	CCCCTCCCCC	TCCCCCGAGC	CCTCAAAGAG
	93541	GGTGTGGCCT	AACTAGCGGA	AGGCGTATT	AACCAGACTA	GGGCGGCGGG	TCCGCCGTAG
35	93601	TCCTTGGCTC	GGGTAGCCAC	TGCTCTGTG	CTCGGGTCCC	CCGGCCCCCCC	TAACCCCCAT
	93661	CCGGTCCCGC	TCATCCGCC	CCTCCGCGCTG	CGACACAAAC	GGCGCGCCT	CCGGGCCCGG
	93721	TGACACGACG	CGCCTCGTCT	CTGCGGATTG	TCCCGGGAGC	GTGCGGGCAT	GGCTCATCTT
	93781	CCCGCGGGTG	CGGCCGCGC	CCCCCTTTCG	GAGGACGCGA	TCCCGTCGCC	GCGCGAGCGG
	93841	ACGGAAGACT	GGCCGCCCTG	CCAGATAGTG	CTGCAGGGCG	CCGAGCTGAA	GGGATCCCTG
40	93901	CAGGCCCTTG	CGCCGCTTCG	CACGAGCCTT	TTGGACTCGC	TCCTGGTCGT	GGGCGACCGA
	93961	GGCATCCTTG	TACATAACGC	GATTTTCGGC	GAGCAGGTGT	TTCTGCCCT	CGACCATTCG
	94021	CAGTCAGTC	GCTATCGATG	GGCGGGACCC	ACCGCGGCGT	TCCTGTCTCT	CGTGGACCAAG
	94081	AAGCGATCCC	TGCTGAGCGT	TTTCGCGCC	AACCAGTACC	CTGACCTGCG	GCGGGTGGAG
	94141	CTGACGGTCA	CGGGCCAGGC	CCCGTTTCG	ACGCTGGTGC	AGCGCATATG	GACGACCGCG
45	94201	TCGCACGGAG	AGGCCGTGGA	GCTTGCAGC	GAGACGCTA	TGAAACGCGA	GTTGACGAGC
	94261	TTCGCGGTAC	TACTCCCCA	GGCGCACCCC	GACGTCAGC	TGCGCCTCAC	GAAGCCCCAG
	94321	CTCACGAAGG	TGGTGAACGC	CGTCGGGGAC	GAGACCGCCA	AACCCACCAAC	GTTCGAGCTC
	94381	GGCCCCAACG	GCAAGTTTC	CGTGTAAAC	GCGCGCACCT	GCCTCACCTT	TGCCGCCCGC
	94441	GAGGAGGGCG	CGTCGTCCAG	CACCAAGCGCC	CAGGTCAGA	TTCTGACCGAG	CGCGCTGAAG
50	94501	AAGGCGGGCC	AAGCGGCCGC	CAACGCCAAG	ACGGTCTACG	GGGAAAACAC	ACACCGCACA
	94561	TTCTCGGTGG	TCGTCGACGA	CTGCAGCATG	CGGGCGGTCC	TCCGGCGGGCT	CCAGGTGGC
	94621	GGGGGGACCC	TCAAGTTCTT	CCTCACGGCC	GACGTCCTTCA	GCCTGTGTGT	CACCGCCACC
	94681	GGCCCCAACG	CGGTGTCCGC	GGTGTTCCTT	TTAAAACCCC	AGCGGGTCTG	CCTGAACTGG
	94741	CTCGGCCGGA	GCCCCGGGTT	CTCGACCGGG	AGCTTGGCGT	CCCAGGACTC	TCGGGCCGGC
55	94801	CCGACCGACA	GCCAGGACTC	CTCCTCCGAG	CGGACGCGG	GCGACCGCGG	CGCCCCAGAA
	94861	GAAGAAGGCC	TCGAGGGCCA	GGCCCCGGGTA	CGGCCCGCGT	TCCCGGAACCC	GCCGGGAACC
	94921	AAGCGGAGGC	ACCCCGGGGC	CGAAGTTGTC	CCCGCGGACG	ACGCCACCAA	GCGCCCGAAG
	94981	ACGGGCAGTC	CCGCCGCC	CACCGCAGCC	GAGTCGCC	CCCTCTCCCG	GAGATACGGA
	95041	CCCGAGGCAGG	CGGAGGGTGG	TGGGACGGC	GGCGCTACG	CGTGCTACTT	TCGCGACCTC

	95101	CAGACCGGGCG	ACCGCGAGCCC	CAGCCCCCTC	TCCGCCTTCC	GGGGTCCCCA	AAGACCCCA
	95161	TACGGCTTTG	GGTTGCCCTG	ACGGCAACGG	GTGGTGGCCG	AACGCCTCAC	CGCGCCCGGG
5	95221	CACGCGGGGT	GGCTGTGTT	AAAAAAATAA	ATAAAATGGGG	TAGTGTGTCC	CCCCCCCCTC
	95281	CAACCAATAT	GGCTGTCGTG	TGTGGTTCCG	GGTTGCCTCT	CCGTCCCTTC	CACCCCCCTT
	95341	CCCCCTCCTT	TTTGTTTTG	CGTGCCTTA	TAAGAGCGGG	CCCGGGGCC	TTCGCAGCTT
	95401	CACCGAGAGC	GCCGTCGGGC	CCCGGGTGCG	GGATGTGTCG	CGGGGACAGC	CCCGGGCTCG
	95461	CGGGCGGGAG	CGCGAACAC	TGCCTCGGAG	GGGATGATGG	GGACGACGGG	CGCCCCCGCC
10	95521	TGCGCTGCGT	GGGTGCCATC	GCTCGGGGGT	TCGCGCATCT	CTGGCTCCAG	GCCGCCACGC
	95581	TGGGCTTCGT	GGGGTCTGTC	GTTCTGTCGC	GCAGGCCGTA	TGCGGACGCC	ATGTGGCGGG
	95641	CGTTCTGAT	CGGGAGCACC	GGCCTGGGGT	TCCTCCGCGC	CCCCCCCCGCG	TTCGCCCGGC
	95701	CGCCGACCGC	TGTGTGCGCG	TGGCTGAGGC	TGGTCGGCGG	GGGAGCGGCC	GTGGCCCTGT
	95761	GGAGCCTCGG	GGAGGCCGGC	GCGCCCTCCGG	GGGTTCCGGG	CCCGGCGACC	CAGTGCCCTGG
15	95821	CGCTCGGGGC	CGCCTACGCG	GCGCTGCTGG	TGCTGGCGA	CGACGTCCAT	CCCCCTTCTCC
	95881	TCCTCGCCCC	GCGGCCCTGT	TTTGTGCGCA	CCCTGGGGT	TGTCGTCGGC	GGGCTGACGA
	95941	TAGGCGGCAG	TGCGCGCTAC	TGGTGGATCG	ACCCCCGCGC	CGCCGCGGCC	CTGACGGCGG
	96001	CGGTGGTGGC	GGGCCTCGGG	ACAACCGCCG	CGGGGGACAG	CTTTCCAAG	GCCTGTCCCC
	96061	GCCACCGCCG	CTTTTGCCTC	GTCTCCGCGG	TCGAGTCTCC	CCCGCCCGA	TACGCCCGGG
	96121	AGGACGCCGA	GCGGCCAACA	GACCACGGAC	CCCTGTTACC	GTCGACGCC	CACCAGCCAT
20	96181	CTCCGCGGGT	CTGCGCGCAC	GGGGCCGAC	GGCCCGAAAA	CATCTGGGTT	CCCGTGGTGA
	96241	CCTTTGCGGG	CGCGCTCGCG	CTGGCCGCCT	GCGCCGCGCG	AGGGTCTGAC	GCGGCTCCGT
	96301	CAGGCCCGGT	CCTGCGCTG	TGGCCCCAGG	TGTTTGTCGG	GGGCCACGCC	GCGGCGGGCGC
	96361	TGACGGAGCT	GTGTCAAGACC	CTCGCGCCCC	GGGACCTCAC	GGACCCGCTG	CTGTTGCGT
	96421	ACGTCGGATT	CCAGGTGCGT	AACCACGGGC	TGATGTTGT	GGTCCCCGAC	ATCGCCGTAT
25	96481	ACGCGATGCT	GGGGGGCGCC	GTGTGGATCT	CGCTGACCCA	GGTGCTTGGG	CTCCGGCGCC
	96541	GCCTTCACAA	GGACCCAGAC	GCCGGGCCCT	GGCCGGCCGC	GACCTGCGG	GGCCTCTT
	96601	TCTCCGTCTA	CGCATTGGGG	TTTGCGGCGG	GGGTGCTGGT	GGGGCCCGGG	ATGGCGCGA
	96661	GCCGGCGGT	GGGGTGTATCG	CCATTTCAAA	AAAAGGCAC	GAGTTCCCCG	AATACCACCG
	96721	CGGTGTGATG	ATTTCGCCCT	ACCGCTCCGA	TCCCCGGGGG	GAGGGGGGAA	GGAAATGGGG
30	96781	CGGGGGGTGC	CGTGGACGGG	TATAAAGGC	AGGGGGGCAG	GCGGGCCCAT	CACTGTTAGG
	96841	GTGTTAGGTT	GGGAGGTGGC	ACAAAAAGCG	ACACTCCCGT	GTTGTAGTTG	TCCGCGGAG
	96901	GCGGTGGTT	CCGGCAACCC	TCCTCGCTGC	GCCGGCGCG	CCCACCGGTC	CTTCGCGGG
	96961	GCCGGGGCTC	TTCTGGTCAT	GGCCCTTGGG	CGGGTGGGCC	TAGCCGTGGG	CCTGTGGGG
	97021	CTGCTGTGGG	TGGGTGTGGT	CGTGGTGTG	GCCAATGCCT	CCCCCGGACG	CACGATAACG
	97081	GTGGGGCCGC	GGGGGAACCGC	GAGCAATGCC	GCCCCCTCCG	CGTCCCCGCG	GAACGCA-TCC
35	97141	GCCCCCCC	CCACACCCAC	GCCCCCCCCA	CCCCGCAAGG	CGACGAAAAG	TAAGGCC-TCC
	97201	ACCGCCAAAC	CGGCCCCGCC	CCCCAAGACC	GGGCCCCCGA	AGACATCCTC	GGAGCCCCTG
	97261	CGATGCAACC	GCCACGACCC	GCTGGCCCGG	TACGGCTCGC	GGGTGCAAAT	CCGATGCCTGG
	97321	TTTCCCAACT	CCACCCGAC	GGAGTTCCGC	CTCCAGATCT	GGCGTTATGC	CACGGCGACG
	97381	GACGCCGAGA	TCGGAACGGC	GCCTAGCTTA	GAGGAGGTGA	TGGTAAACGT	GTCGGCCCTCG
40	97441	CCCGGGGGCC	AACTGGTGT	TGACAGCGCC	CCCAACCGAA	CGGACCCGCA	CGTGATC-TGG
	97501	GCGGAGGGCG	CCGGCCCCGGG	CGCCAGCCCG	CGGCTGTACT	CGGTGTCGG	GCCGCTG-GGT
	97561	CGGCAGCGGC	TCATCATCGA	AGAGCTGACC	CTGGAGACCC	AGGGCATGTA	CTACTGGCTG
	97621	TGGGGCCGG	CGGACCGCCC	GTCCCGTAC	GGGACCTGGG	TGCGCGTTCG	CGTGTTC CGC
	97681	CCTCCGTCGC	TGACCATCCA	CCCCCACGCG	GTGCTGGAGG	GCCAGCCGTT	TAAGGCGACG
45	97741	TGCACGGCCG	CCACCTACTA	CCCGGGCAAC	CGCGCGGAGT	TCGTCGGTT	CGAGGAC GGT
	97801	CGCCGGGTGT	TCGATCCGGC	CCAGATACAC	ACGCAGACGC	AGGAGAACCC	CGACGGCTTT
	97861	TCCACCGTCT	CCACCGTGAC	CTCCGCGGCC	GTCGGCGGCC	AGGGCCCCCC	GCGCACCTTC
	97921	ACCTGCCAGC	TGACGTGGC	CCGCGACTCC	GTGTCGGTCT	CTCGCGC	CGCCAGC GGC
	97981	ACGGCATCGG	TGCTGCCCGC	GCCAAACCATC	ACCATGGAGT	TTACGGCGA	CCATGCG-GTC
50	98041	TGCACGGCCG	GCTGTGTGCC	CGAGGGGGTG	ACGTTTGCGCT	GGTTCTGGG	GGACGAC TCC
	98101	TCGCCGGCGG	AGAAGGTGGC	CGTGCCTGTC	CAGACATCGT	GGGGCGGCC	CGGCACCGCC
	98161	ACGATCCGCT	CCACCCCTGCC	GGTCTCGTAC	GAGCAGACCG	AGTACATCTG	CCGGCTG-GCG
	98221	GGATACCCGG	ACGGAATTCC	GGTCTCTAGAG	CACCAAGGCA	GCCACCCAGCC	CCCGCCCGGG
	98281	GACCCCAACCG	AGCGGCAGGT	GATCCGGCG	GTGGAGGGGG	CGGGGATCGG	AGTGGCTGTC
55	98341	CTTGTGCGGG	TGGTTCTGGC	CGGGACCGCG	GTAGTGTACC	TCACCCACGC	CTCCTCG-GTG
	98401	CGCTATCGTC	GGCTGCGGT	ACTCCGGGGC	CGGGCCCGGC	CGCCGGTTGT	CTTCTTCTTC
	98461	ACCCCTTCCG	TCCCCCGTAC	CCACCAACACC	CCACCCACC	CCCCCGCCGT	CCCCCGCGCG
	98521	TTATAAGCCG	CCGCACTCGC	TTTCCCACC	GGAAAATCCT	CGGCCCCGATC	CGAACGGCGC
	98581	ACGCCGCGTG	GGCTCCAAAC	GCCTCCGGAA	GAGAGCGCCC	CGCCCCGATA	TTCAAGCCTCG

	98641	CGGTGGTGCT	ATGGCTTCC	GTGCTTCGGG	ACCCGCCTAC	CAGCCCCTCG	CCCCCGCGC
	98701	CTCCCCGGCG	CGGGCTCGT	TTCCGGCCGT	GGCCTGGATC	GCGTCGGAG	CGATCGTCGG
	98761	GGCCTTGCG	CTCGTCGCCG	CGTTGGTTCT	CGTACCCCT	CGGTCTCTCG	GGGGACTCTC
5	98821	GCCGTGCGAC	AGCGGCTGGC	AGGAATTCAA	CGCGGGATGC	GTCGCGTGGG	ACCCCACCCC
	98881	CGTCGAGCAC	GAGCAGGCGG	TCGGCGGCTG	CAGCGCGCCG	GCCACCCTTA	TCCCCCGTGC
	98941	GGCCGCCAAG	CACCTGGCCG	CTCTGACACG	CGTCCAGGCG	GAGAGATCGT	CGGGTTACTG
	99001	GTGGGTGAAC	GGAGACGGCA	TCCGGACCTG	TCTGAGACTC	GTCGACAGCG	TCAGTGGCAT
	99061	CGACGAGTTT	TTCGAGGAGC	TCGCGATCCG	CATATGCTAC	TACCCACGAA	GCCCCGGCGG
10	99121	GTGGTCCGC	TTCGTAACCT	CGATACGTAA	CGCCCTGGGG	TTGCCGTGAG	GCGCGCGTCC
	99181	GACGGTCCC	CTTCTCGCCT	CTCTTCTTCC	CCCACCCAC	CCACCGACCA	ACGACGGCGT
	99241	TTGGCCAATA	CCCTCCTTTT	TTCTTTTCT	CTTCCCCCCC	CCCCAAAAAA	AACAATAAAC
	99301	AGCTAATTGC	GTACGACAAA	CCATGCGGAA	CTCGCTGTT	TTTTTCTCTG	TTTGTACTT
	99361	TTTATTGAAA	CAGACATACG	GGGAAAGGGG	CCGGAAACCG	AGACGGTGGG	GCCGGCGGTC
15	99421	GCATTTTTT	AATGGCTCTG	GTGTCGGCCG	CGTTGAGCT	TCGTCAACAG	GGCGCTGAGG
	99481	CGGGCGACGT	TCGTCGGCC	GTGTTGGCC	AGCGCGTTGG	TCCGGGGCG	GGCGGGCATG
	99541	GGCGACAGGC	TTAGTCCCGG	GTCCGGGGCG	CGTGTGGCCC	GCCGAGGGGA	GAAGAGGGCA
	99601	GACCCGCC	AGTCGTACAG	GGGATTTCC	GCCTCGATGT	ACGGGGAGTC	CGGGCGTCT
	99661	CCCGGCAGGG	CGGCCCCGCC	GGCAAGACGC	CGGCGAGGGC	AGATGTTTC	GTATAACCGA
	99721	ACCCAGGGG	TCTCCTCGTA	GACGCGCCCG	CCATCCTCGC	CCACCGACTC	GTAAATGGAA
20	99781	TCTCGTCCT	CGGAGGGGGC	CGGGGGGGCG	TGGCTTCGG	CCGGCCAGGC	GGCGCGGGCG
	99841	GTGGGTGCGG	CGGGGGGGGT	GGGCCAAGC	CCGACGCCCG	CGGGCATGGC	GGCGTCATCG
	99901	TCGGGCAGCA	GATACGTGTT	TTCCATCTGG	TCCGGTTCGG	CCTCCGCGTC	CGGCCCGGAG
	99961	GTCCGCACCG	CGTCGTAGAC	CCCGCGGGCC	TCGCGCTGAG	CCGCGAGCGG	GCGCGCCGCG
25	100021	GCTGCCGGCC	GCTGCTCGGG	GGGCGCGGGG	TTGCGGGGCG	GGAGGCGCGG	GGGCGCCCCG
	100081	GCCATATGCG	TGTAATACGT	GGCCGGCCGG	CCGGCCAGG	GCTCGGGACC	CCGGTCGGCC
	100141	GCGTCGACGT	CGGGGGGCTC	GGGGAGGTCC	TCGCGGTGGC	GCCTGCACCT	CCGAGGGGGC
	100201	GCGGGGGTCG	AGTGGGGGCG	AGCCCGGGGG	AGCGGCGGGG	GTGCGTTGTC	GCGCCGGGTC
	100261	CGTTGTATCT	TGTCCCGGCA	GCTCCCGCCG	ACCGCCCGC	GGCCCCCGG	TGGGCCGGAC
30	100321	GCGCGAGGC	GCAGGATGGA	CTCGTAGTGG	GGCGACGGGG	TTCCGCTCCG	AAGCAGGTCC
	100381	GGGGCCAGGG	CGGCCCCGAA	CCAGGACTTG	ATGCTGAGTT	CCATCCGGGC	CCAGCTCGGG
	100441	GCGGTCACTG	TGGGGAACAG	GGGGCGGGCG	GTCCTGCAGA	AGCGCTCCCG	GCTGTCCACC
	100501	GCGCCCGTAA	GGTACTCGTT	GTTCAGGCTG	TCGGAGGCC	AGACGACATA	CCCGGTAAGC
	100561	GTGCGGTTAA	TTATATACTG	GGCGTGGTGG	TGGACTATGG	ATAGAACCTC	GACGGTCGAG
	100621	ACGATGGCGT	CCACGATCCC	GTACGTGCCG	CCGCTGCGCT	TGCCGGTCTC	CCACAGGTGG
35	100681	GCCAGGCGCG	TCAGGTGGCC	CAGGACGTCC	CTGACCGCCG	CCCGCAGGGC	CATGCACTGC
	100741	ATCGAGCCG	TGGTGCGCCT	GGGCCCGCGG	TCCAGGTGGC	GCGCAAACGT	CTCCGCGGGC
	100801	GCCTCCAGAC	TCCCCTGAG	CGCCACGAAC	CGGCGATCGG	CGGGGCCAG	GCGCGACAC
	100861	ACGTACTTGT	CCGCCGTCCA	CAGCATCCAC	GAGGCCAAAT	GGTACAACAC	GGAGACGTAG
	100921	GCCAGGAGCT	CGCTCAGCCG	CAGTGCCTG	TCCGTGCTCG	GGCGGCTCGG	GTCTCGGGGG
40	100981	CGCATAAAGA	ACATGTACTG	CTGGAGCCTG	TGGGCCGCGT	CGCGCAACCC	CGCCACCGCG
	101041	GCGGCGTACT	TGGCCCGGGC	GGCCCGCCTC	TTGAACGGGG	CGCGCACCGAG	CAGCTTCGGG
	101101	AGCAGGGTGG	GCCGCAGCAG	CACGTGCAGG	CTGGGGTCGC	AGTCGCCCCG	CGGGTCGTG
	101161	GGGATGTCCA	GGCCGCTGGG	CACGACCGTC	TGGAGGTACT	TCCAGTACTG	CGCTAGGATG
	101221	GCGCGGCTCA	GCTGGCCGCC	CGACAGCTCC	ACCTCGCCG	GCGCTGCTT	GGCGGCCGAC
45	101281	GCGTAGTGCC	GGATGTAGTC	GTAGTGCCTG	TCGCTGGCGA	GCCCGTCTAC	GATCAGGCTC
	101341	TCGGGGACGG	TGTTATGGTG	CCCGCGCCG	AGCCGGACGC	TGCGATCGGC	GCCGGTCAGA
	101401	AACGCCGGCT	GCAGGTGCTC	GGCGCGCTGC	CGCAGGACGC	CCACGGCCGC	GCTGAGGAGC
	101461	CCCTCCGGGG	TGGGGAGCAG	ACACCCGGCG	AAGATGCGCC	GCTCGGGGAC	GCCCGCGTTG
	101521	GCGCCCGGGA	TGAGGTTGGC	CGGCGTCAGG	CACCGCGCCA	GCCGCAAGGGA	GCTCGCGCCG
50	101581	CGCGCCCGGC	GTTGCATGGC	GGAGACCGTT	CGGTGGGGGG	CCCCGCCGGT	CGGAGGTATG
	101641	CCGCGTCCCG	GGATATAGGG	TTGCTTTTA	TGGGGAGGCG	CCTATGGGCG	TGGCGGGCCG
	101701	CCCAGCCCGG	TCGCGCCCT	CCCAGACAGC	TGCGCCCGA	GGGCGGGCGGT	CTCCTCGTCG
	101761	CCCAGTAGCA	GTTCCTGAAA	CTGCGCCATG	ATGTCCACGA	CGCAGGACCCG	CGGCCCGCAGC
	101821	ACGGACTCGC	TATTCAAGGGG	GGCGGGGGGG	AAGGCGCCCA	GTCCTTCGAG	CAGGAAGGCG
55	101881	GGGTCCTGCCG	TCCCGCTCAC	GGGCGCCCGG	GGCGCCGAGG	ACGCGGGGCG	AAGGTCCACG
	101941	TGTTCCCGGG	CGGCGCGCAC	GTCCGCCCCA	AATTGGCGG	GGGTGGTCCG	CGCGTACAGG
	102001	GGCTGGGTG	CGCGGAGGAC	GCACGCGTAG	CGCAGGGGGG	TGTACGTGCC	CACCTCGGGG
	102061	GCCGTGCGACC	CGCCGTCAA	CGCGGCCAGG	GCCACCGACG	CGACCACCGT	GTCGGCCAGG
	102121	CCCAGCAGCC	GCTGCAGGAT	GAGCCCCGTC	GCCAGCACGG	CGCGCGCGGC	CGCCCGCGTC

	102181	TCCCTGCGCC	GGCGCGCGTC	CCCGCAGGCC	AGGGCGTATT	TCAGGGTAAC	GGTCGCCAGG
	102241	GCCGTGTGCA	GC CGTACAC	GGCCGCGCCC	AGCACCGCGT	TCAGCCCGCT	GGTGGCGAGC
	102301	AGGCGGCGCG	CCGCGGTGTC	GCCCAGCGCC	TCGTGCTCGG	CCGCCACGAC	CCCCGGGCTG
	102361	CCCAGGGGCA	GGGCGGAAA	CAGCGCCTCC	TGCTCACGT	CCGCAAACGC	GGGGTGGGCG
5	102421	GAGTGGGGT	GCAGGCGCGC	CCCCACGACC	ACCGAGAGCC	ACTGGACCGT	CTGCTCCGCC
	102481	AGGACCGCCA	GCACGTCCAG	GACGCGCCCC	GCAAACCGCG	CCTCCCGCGG	GAGCACGCA
	102541	TTGACGGCGC	CGGGGTTGAA	GCGGGCGAGC	AGAGCCCCGG	TGGCGATGTA	CGTCATGCGC
	102601	CCCGCGTAGC	GGGCGGCCAC	GCGACAGTCC	CGCCCCAGGA	GCGCGCGCAC	CCCCGGGCCAG
	102661	TACAGCAGGG	ACCCCAGCGA	ACTGCGAAAG	ACCGCGGCGT	CGGGGCCGGG	GTGGGGGGGC
10	102721	GC GCCCCCTC	CCGCGCTGAG	CAGCGGCACG	GC GGCGGCC	CCACGGGCG	CAACGCCGTG
	102781	AGGCTCGCGA	ACTGCCGTCG	GAGCTCGGCC	GCCCTGTCGT	CGAGCTCCGA	GCCGCGCCCC
	102841	TCCGTGTGCA	GGCGCGTCCC	GCAGACCCAC	CCGTTGATCG	CCACCCGCAC	GATGGCGTCC
	102901	ACCAGAAAAC	CCATCGCGCG	GGAGGGGCTG	GT TTTGCCC	GCCGATCCGT	CAGGTCGAGG
	102961	ATCGCGTCGC	CCGTGACGTA	CCAGGCCAGC	GCCTCGCCCT	GCTGCAGCGT	CTGGCGGAAA
15	103021	AACACCTTTG	GGTCGGCCGG	GGAGGCCAAAG	TGCATGACCC	CCACGCGCGA	CAGCCCGAAC
	103081	GCGCTATCCG	GACACGGGTA	GAACCCGGCC	GGATGTCCC	GGGCCAGGGC	CGAGCGCACG
	103141	GA CCGTCCC	ACGCGGCGAC	TCGGGGGGTC	AGGCGGTCCA	GGGGGAATGC	CGCCCTGCAGC
	103201	TCCGGGCCCG	ACACGCGGCC	CGCGAGAAC	TCGACCGTCG	CGGAAGGCCG	CGCCCCGGGG
	103261	CCGT CATCGT	GC GCGACGGC	GGCGGGGTAG	TCGTCCCTC	CGTAGTTGAG	CTCGTCCAGG
20	103321	AA CAGCGGGC	AGGGCACCCAC	CCGCGAACCG	CCCACCGCC	CCAAAACGTC	GC GTGGGTCC
	103381	ATCGGGCCCA	GGTAGCCTCC	CCGCGGGGCC	CGCGTGATGG	CGCTGTCCCG	GC GTCCCGCA
	103441	ACGGACTGGC	TCCTGGCGT	AA CGGACCTG	GGGCGGGAA	AGGACGCCCG	GC GGGGGGGC
	103501	GCCGCCGCC	GGGCCTCGGA	CGCGCGTCGG	GACCCGGGTT	GACCGCGGGC	CTCCCGGCCA
	103561	CGGCGCGGGG	GGGGCTCTTC	GCTCGCCATC	TCCCCCGCGG	CCTCGACCTC	GCTGTGTCG
25	103621	TCCACGTTAA	ACACCGCCCG	CAGGTACCCC	ATTAACCCGA	CTCCACCGCC	CTCGGGCTCG
	103681	TCCTCCACGG	GCGAGTCGGC	GCGATGCGCC	GACGGGGCAT	GGGACCGGGT	GGAGGCGCGC
	103741	CTCCGGCGTA	CGGCATGCC	GCGCACGGAC	ATGGTGGCCG	GAGGCCCGAT	TTTTTACACA
	103801	CGCCCTCCCC	GCAGACGGAC	GAGGAAAGGG	GTGGTGCAG	GGGGGAGGCC	CAAACGGGGA
	103861	GGTGGGGGGT	AGGGGGCGGT	CCCAGGGAGC	GGGGGGTAGG	AA CGGGCACG	ACGGGAACAG
30	103921	AGAAAACGCG	ACCGCTCAA	CAAGGGTGGG	GGGGTGGGCC	TCGTCCCCAC	GCAGACCCCG
	103981	GGGCAAATGC	GAGAACGGG	CCC CGCGC	TGCCTTTATA	CGCGGACCCC	AGCACCCACGA
	104041	GCCGTTCTGT	GACCGCAATC	TACACGACCC	CGGGCTCGTA	GGCGCGACTA	ACGCCAAC
	104101	CAACGGCACA	CA CCCCCCAC	CCC CGCGTA	ACCCCATTC	TTTCA TGGTC	CCGTAATAAA
	104161	CAGCCAACGC	ACGCGCGTA	TGATGAGTTG	CTTGCCAATG	TTTATTGCTG	TGGTTGCGAA
35	104221	CCCTCTATCG	CGATACAGAC	GGAGGTGAGG	CGGGCGGTG	GTGGGGGGGG	GGCGCGCCGC
	104281	CCGGTCGCAC	ATCCCTACCCC	CCAAAGTCGT	CAATGCCAT	GGCATCGGT	AA CATCTGTT
	104341	CAA ACTCAA	ATCGTCCACG	TCCAAAGGCC	CATACGAGAC	GGGGTGTG	GTCA TCCCG
	104401	GGGAGGGGGA	CTCCACGTCC	CCCAGCATCT	CCAAGTCGAA	GT CGTCCAGG	GC GTCGGCCG
	104461	GC GTCATATC	CACCTCTCG	CCGTCCAGGC	GGAGTTGTC	TCCCAGGCTG	ACGTCGGTAA
40	104521	TGGGGCGGT	GGTGGACAGT	CTGCGGGGGC	GTTGTCCTCG	GGAGAGAAC	GACATGCGC
	104581	GCGCCACCAG	CCC GGCTCC	GCAGGAGCGT	CATCGTC	CGGGAGGTG	AGCAGGCC
	104641	CGATTGTCGA	TCCGTAATTG	TTTCTGGTCC	GCCC CGGGCT	ATACGCGTGC	TCCC CGCATGA
	104701	CGGACTCGCC	CTCCGAGGTC	GCGACGCTGG	AGTACCGAGTC	CAACTTGGCC	CGGATCAGCA
	104761	GCATAAAGTA	CCCAGAGGAG	CGGGCCTGGT	TGCCCTGCAG	GACGGGCGGG	GT CGT GAGGG
45	104821	GCGCCCCGGG	TTCCCTCGCC	GCCGCACTTC	GCACCA GCGG	GAGGTTCA	TGCTCGCGAA
	104881	TGTGGTTTAG	CTCCCGCAGT	CGCCGGGCCT	CCACGGGAAC	TCCCCGCACG	GTGAGCGATC
	104941	CGTTGATAAA	CATCAGGGGC	TGAAACAGAC	ACGCCAACTG	GGGCCAGCTC	TCCAGGTCG
	105001	AGCAGAGGCC	GTCGAACAGA	TGGGCCGCA	TCATCTGCTC	GGCGTACGCG	GCCCATAGGA
	105061	TCTCGCGGCT	CAGAAAGAGG	TATAGATGCA	GAAACAGGAC	GGCGGCCAGG	CGCGCGGTCT
50	105121	CGCGGTAGTA	CCTGTCCCG	ATCGTGGTGC	GCAGCATCTC	CCGCAGGTG	CGGTTGCGGC
	105181	CCCGCATGTG	TGCCCTGGCG	TGTAGCTGCC	GAACGCTGGC	GGCGAGGTAC	CGGTACAGGG
	105241	CCGAGCAAA	ATT TGCCAA	ACGGTCCGGT	AGCTCTC	CCGCGCCCGC	AGCTCACCGC
	105301	GGAAAAAACTG	CGCCATGGCC	TCGTAGTACG	AAGGCAGCTC	GT CGCGGGTG	GC GGGCAGGG
	105361	TGGGAACGC	CACGTCGCG	TGGCGCGAA	TGTCGATCG	GGAGCGCTCG	GGGACGTGCG
55	105421	CATCCCCCA	GTCGATCACG	TCGCTGGGCA	GGCGTACGAG	AA ACTTGCA	TCCC CGGTACA
	105481	TGTGGCGTT	GGTGGGAAC	CCAGAGAAC	GGTCTCGTT	CCAGGTATCT	AGCATGGTAC
	105541	ACAGCGCGGG	ACCCGCGCTG	AAGCCCAGAT	CGTCGAGGAG	ACGGTTAAC	AGGGCCGCGG
	105601	GGGGGACGGG	CATGGCGGC	GAGGGCATCA	GCTGGCCTG	ACTCAGCCGA	CCGGTGGCGT
	105661	ACAGCGGAGG	GGCGGCTGGG	GTGTTCTTGG	GACCCCGGC	TGGCCTGGGG	GGCGGTGGCG

	105721	AAACCCCGTC	CGCGTCCGCA	AACAGATCGT	CGACCAACAG	GTCCATGGGG	GCGGTTGGGT
	105781	CCGGGAATAA	CGATCTCGAG	AGGCAGATGA	GACGTGCCG	AGCGCCCGC	GGCGGAGAGG
	105841	GGGGGAGGGG	TCCGGGACCC	GCGACAGAAA	AAGGCCGGGG	CCCTCGCAA	GGGAATCGCC
	105901	GGGGGTGCCG	TGCGTCCCCG	AGGACTGACA	TCTCGCGTCC	ACCACCCCGC	ATTTAAGTAT
5	105961	CACCCCAGTG	CCGCCCCAAA	CCTCGTGACT	TCCCCACCGC	TCCGGGCGGC	CCGTCCCCCG
	106021	CGCTCGGAAG	GGAGGCGTGT	CCTTCCTCCC	GCCCCCTCCC	CCCCTCCCGC	CCCTCCCGCC
	106081	CCTCCCGCCC	CTCCC GCCCC	TCCCGCCCT	CCCGCCCGTC	CCGCCCCCTCC	CGCCCCCTCCC
	106141	GCCCCCTCCC	CCCCTCCCGC	CCCTCGCCAC	AAACCGGTGC	TGACAGCGAA	GTGGTTAAAT
	106201	CGACCGTGAT	GCTTTATTGT	CTGTCGTCG	AACGCGGTGC	GGGTCGCTAC	TCGAGGGGGC
10	106261	GGCGGGGACG	GGAAGCCGAG	CGGGCGGGGG	CCCGTGCGGT	CCGCGCGGCA	CGCCCCCGCGG
	106321	GGCGGCCCGC	GGCGGCCCGC	GTCGCGTCGA	CGTCCTGC	CGCGTCGGGA	TTCACCAA
	106381	CGTTCGCGCG	CTGCAGGAGG	TTCTTGCCCT	CGCAGACCGT	CACGCGAATG	GTGGTGAGGT
	106441	CGAGGAGCTC	GTTGAGGTCT	TCGTCGGTGT	GC GGCGCGCA	CATGTCCCAC	AGCTGTACCG
	106501	CCGCCAGCGC	GGCGTGCCTG	GCCGCCAGGC	GCCCCGACCGC	GGCGCAGAAG	ACCGCGTTGT
15	106561	TGAACCCGGC	CACCCGGGGG	GTCCACGGCG	CCGTGGGCT	CGGTGGGCGC	GTGCTGAAGT
	106621	GCAGCTCTT	GGCCAGTCCC	TGGCGGGGTG	TCTTGTTCT	TCCCAGGCC	GTGGGAGCGG
	106681	GGCGTCTAG	GAGCACGGCG	GAGTCGGCCT	GGGCGGGTCG	CCTGCCGCGG	GCGGGGTCGG
	106741	TCGCCGGGT	CGCGGAGGCC	TTAGGCGCCC	CGCGCGTCAT	TTTGGGGGTC	CGCCGCGGGAG
	106801	GGCGTGCAG	GCGCCCGCCG	GCCCCCACGG	GGCCCCCGGG	GGGTGGAGGA	GCGCGCGCGG
20	106861	GGCGGGGCC	GTGAGAGCCC	GCGACGGACG	CCGAACGACG	CGGTCGCGCG	GTATCCCAGG
	106921	ACTCGTCGTC	GTCCGAAGAC	GAGTCCCGGT	AGAGGGCATA	CCCAGCCTCG	TCATAATGGA
	106981	GAAAGCGAAC	CTCGCCCCTC	GGGCGCGCGC	GCATCGGGCC	AGCGCCGCGG	CGGAAGTCGT
	107041	CGCGCGGACT	CTCTGGGTCC	GCCGGGGAGA	CCGGGCCATA	GTACAGCTCC	TCGTGGGTCC
	107101	CGCGCGGC	TTCCCGCGGA	CACGACTTGA	CGGAGCGGCG	AGAGGTCA	GTCTATCGGA
25	107161	GACACCGGGG	ACGCCCGTGC	GGATCACAGG	GAAGGCGTCG	GCGAAGGAGG	CAGAGAGCGT
	107221	CGGAAGGCGG	CGAGGGAGGG	AAAGAGGGAG	ACCGGCGGGG	TACGGGAGAG	CAGCGAGGGC
	107281	CTGCGTAACC	CACGGGGGCC	GGGGGAGTGG	CTCCCTGC	GTTGCGGGGG	AGAGTTTATA
	107341	GGAAGTGGAT	ATAACCGCAG	GCGACGGGAC	TAACCAATCC	CCGGGGGGGC	AACGGACAGA
	107401	CACGCCCGA	ACAGGCCCCA	CTTCCCGCGAG	GAAGCAAAGG	CCGGGGGCCG	CCCAACGACA
30	107461	CGCCCA	TTCCCAACAG	GGCGGGCTCA	GGCTGACCCG	GCGGCCAGTG	CCCGCTGACA
	107521	TATCTGATAC	ACGTGCGCGA	TCATACATAC	GCCCACCGAG	GTCATGCC	GATAAAAGGG
	107581	CACCAAGGACC	CCCAGGACGG	ACACCAACACC	GGCGCTGTG	CCCCGGCATT	GCGCGTCCCC
	107641	GATAACGCCG	CGTGCCTCG	CCGCGTTG	CGGCTCCCCG	GGCACGCCG	CGACGAGCGC
	107701	GACGAACAAAC	AGCACCAACCC	AGCGGCCAG	TCTTGCGGGT	TTCCCGTCA	TCGCGCGAT
35	107761	GAGTCAGTGG	GGGCCAGGG	CGATCCTTGT	CCAGACGGAC	AGCACCAACC	GGAATGCCGA
	107821	TGGGACTGG	CAAGCGGCCG	TAGCTATTG	CGGGGGCGGA	GTCGTTAAC	TGAACATGGT
	107881	CAACAAACGC	GCGTGGATT	TTACCCCGC	AGAATGCGG	GACTCCGAAT	GGGCCGTGGG
	107941	CCGCGTCTCT	CTGGGCTGC	GAATGGCAAT	GCCGCGGGAC	TTCTGCGGA	TTATTACAGC
	108001	CCCCCGGGTA	TCCGGCCCCG	GGCCCCACGT	GATGCTCGGT	CTCGTCGACT	CGGGCTACCG
40	108061	CGGAACCGTC	CTGGCCGTGG	TCGTAGCCCC	GAACGGGACG	CGCGGGTTTG	CCCCCGGGGC
	108121	CCTCCGGGTC	GACGTGACGT	TTCTGGACAT	CCGGGCCACC	CCCCCGACCC	TCACCGAGGC
	108181	GAGCTCCCTG	CACCGGTTTC	CGCAGTTGGC	CCCGTCCCCG	CTGGCAGGGT	TACGAGAAGA
	108241	TCCTGGTTG	GACGGGGCGC	TCGCGACCGC	CGGGGGGGCG	GTGGCCCTGC	CGGCCAGACG
	108301	GCGCGGGGGA	TCGCTGGTCT	ACCGGGCGA	GCTAACCGCAG	GTGACCACCG	AGCACGGCGA
45	108361	CTGCGTGCAC	GAGGCGCCG	CCTTCTG	AAAGCGCGAG	GAGGACGCGAG	GCTTTGACAT
	108421	TCTCATCCAC	CGAGCGTGA	CCGTCCCGGC	CAACGGCGCC	ACGGTCATAC	AGCCGTCCCC
	108481	CCGCGTATTG	CGCGCGGCCG	ACGGACCGAGA	GGCCTGCTAT	GTGCTGGGGC	GGTCGTCGCT
	108541	CAATGCCAGG	GGCCTCCCTG	TCATGCC	GGCCTGGCCC	TCCGGGCACG	CCTGTGCGTT
	108601	TGTTGTATGT	AACCTGACCG	GAGTCCCGGT	GACCC	GCCGGGTCCA	AGGTCGCCCA
50	108661	GCTGCTCGTC	CGGGGGACCC	ACGCCCTCCC	CTGGATCCCC	CCCGACAA	TCCACGAGGA
	108721	CGGCGCATTC	CGGGCCTACC	CCAGAGGGGT	TCCGGACGCG	ACCGCCACCC	CCCGAGACCC
	108781	GCCGATTGTT	GTGTTACGA	ACGAGTTG	CGCGGACGCC	CCCCCAAGCA	AGCGGGGGGC
	108841	CGGGGGGTTT	GGCTCCACTG	GCATCTAGAC	CGCGCCTCGC	GTCGGGCCAG	ATGGGGCCCC
	108901	GGTCAATAAA	GAGCTCTGTT	TCGCATATGC	CCTGGTGTG	GCGGTTTTT	TTTGTGTC
55	108961	GTCTGCCCGG	CGCTCGGTTG	TCCGTTCTGT	CGTCGCTATC	ACATACGAC	AAACACACGG
	109021	GTAGAGTGG	ACCGAAACCG	GTCGACGTTT	ATTCA	CAGAAACACA	AGCTAAGCGA
	109081	GAAGGAGGGG	GGCCTCGGTC	GACGAGGCCT	GGCGTTTGGG	GGCGGACGTG	CGATGACGTG
	109141	GGTCGGTGT	AGGGTCCCGC	GGGGCACCG	GCCC	AACGGGGGAT	CTGTCGCCGG
	109201	CGTGGGTGAC	TGGGACCGAC	GCAACCTCCG	GGGCTTGTGC	CCTCGTAGGC	CGGGGGGGGG

	109261	CCTCGGTGCG	TCCAAGCCCC	GCGGTGCGGG	TCCCTCCGGC	CAGAGCCGAG	GTGGAGAGAC
	109321	CAAGGGCCCG	CTCCCGGATC	GCCACGTCCT	CCATGACCAC	GTCGCTCTCG	GCCATGCTCC
	109381	GAATGGCCTG	GGAGACGAGC	ACGTCCGCGG	ACTTGTCCGC	GGCCCCCACC	GACATGTACA
	109441	TCTGCAGGAT	GGTGGCCATG	CACGTGTCCG	CCAGGGCGGC	CATCTTGTCC	CGATGCGCCG
5	109501	CAACGGCCCC	GTCGATGGTG	GAGCCCTCGA	GTCCCCGGTG	GTGGCGGCC	AGCCTCTCGA
	109561	GGTTGACCAT	GCAGGCGTGG	TATGTGCGGG	CCAGGGCGCG	CGCCTTCACG	AGGGCGCCGGG
	109621	TGTCGTCCAG	CGACTCTAGG	GCGTCGTCGA	GCGTGTATGGG	GGCAGGGCAA	AGGCATTGAA
	109681	CCACCGCCAG	GGCCTCCCTG	AGCCGCGGGCT	CCGCCTCCGA	GGGCGGAGCC	GCGGCCGAA
	109741	TCATCTCATA	TTGTTGTTCC	TCGGGGCGCG	TTCCCCAAC	GCACAGCAC	CCGAGCAGGG
10	109801	ACGCCATCCC	GGAACACCGC	CGCGGCTCTG	CGCCGGCTTT	CCCCCACCCC	ACCCCTCCG
	109861	GGTTCGCAGG	GGCGATGGGG	ACGGAAGACT	GCGATCACGA	AGGGCGGTG	GTTGCGGCTC
	109921	CCGTGGAGGT	TACGGCGCTG	TATGCGACCG	ACGGGTGCGT	TATCACCTCC	TCGCTCGCCC
	109981	TCCTCACAAA	CTGCCTGCTG	GGGGCGGAGC	CGTTGTATAT	ATTCAAGCTAC	GACCGTACCC
	110041	GGTCCGATGC	GCCCCAATGGC	CCCACGGGCG	CGCCCACCGA	ACAGGAGAGG	TTCGAGGGGA
15	110101	GCCGGGCGCT	CTACCGGGAT	GCGGGGGGGG	TAAATGGCGA	TTCATTTCGG	GTGACCTTTT
	110161	GTTTATTGGG	GACGGAAGTG	GGCGTGACCC	ACCACCGA	AGGGCGCACC	CGGGCCATATG
	110221	TTGTGTGCCG	CTTCGAGCGA	GCGGACGAGC	TCGCGTGTG	CCAAGACGCC	CTGGGCCGCG
	110281	GGACCCCAT	GCTCCCGGCC	CACGTCACAG	CAACTCTGGA	CTTGGAGGCG	ACGTTGCGC
	110341	TCCACGCTAA	CATCATCATG	GCTCTCACCG	TGGCCATCGT	CCACAACGCC	CCCGCCCCGCA
20	110401	TCGGCAGCGG	CAGCACCGCC	CCCCTGTATG	AGCCCCGGCA	ATCGATGCGC	TCGGTGTGCG
	110461	GGCGCATGTC	CCTGGGGCAG	CGCGGCCCTCA	CCACGCTGTT	CGTGCACCCAC	GAGGCGCGCG
	110521	TGCTGGGGGC	GTACCGGCCG	GCGTATTATG	GGAGGCCCA	AAGCCCCTTT	TGGTTCTGA
	110581	GCAAATTCCG	CCCGGACGAA	AAGAGCCTGG	TGCTGCCGC	TAGGTACTAC	CTACTCCAGG
	110641	CTCCCGCGCTT	GGGGGGCGCC	GGAGGCCACGT	ACGATCTGCA	GGCGTGTAAA	GACATCTGCG
25	110701	CGACCTACGC	AATCCCCCAC	GACCCACGCC	CCGACACCCCT	CAGTGCCGCG	TCCTTGACCT
	110761	CGTCGCCGCG	CATCACTCGG	TTCTGTTGCA	CGAGCCAGTA	CTCCCGCGGG	GCCGCCGGCCG
	110821	CTGGGTTTCC	GCTGTATGTG	GAGCGCCGCA	TCGCGCCGA	CGTACGCGAG	ACCGGCGCGC
	110881	TGGAGAAGTT	CATCGCCCAC	GATCGCAGCT	GCCTGCGCGT	GTCCGACCGG	GAATTCTATTA
	110941	CGTACATCTA	CCTGGCCCAC	TTTGAGTGT	TCAGCCCCCC	CGCCCTGGCC	ACGCATCTCC
30	111001	GGGCGGTGAC	CACCCACGAC	CCCAGCCCCG	CGGCCAGCAC	GGAGCAGCCC	TCGCCCCCTGG
	111061	GTCGGGAGGC	GGTGGAACAG	TTCTTCCGGC	ACGTGCGCGC	CCAGCTGAAC	ATCCCGAGGT
	111121	ACGTAAGCA	AAACGTCACC	CCCAGGGAAA	CCGCCCTGGC	GGGAGACGCC	GCCGCCGGCCT
	111181	ACCTGCGCGC	GCGCACGTAT	GCCCGGGCGG	CCCTCACGCC	CGCCCCCGCG	TACTGCGGGG
	111241	TCGCAGACTC	GTCCACCAAA	ATGATGGGAC	GTCTGGCGGA	AGCAGAAAGG	CTCCTAGTCC
35	111301	CCCACGGCTG	GCCCCGCGTT	GCACCAACAA	CCCCCGGGGA	CGACGCGGGG	GGCGGCACTG
	111361	CCGCCCCCCC	GACCTGCGGA	ATCGTCAAGC	GCCTCTCAA	GCTGGCCGCC	ACGGAGCAGC
	111421	AGGGCACGAC	GCCCCCGGCG	ATCGCGGCTC	TCATGCGGA	CGCGTCGGTC	CAAACCCCCC
	111481	TGCCCGTGT	CAGGATTACC	ATGTCCCCGA	CCGGCCAGGC	GTGCGCCGCG	GCGCGCGGGG
	111541	ACGACTGGGC	CCGCGTGACG	CGGGACGCGC	GCCCCCGGGA	AGCGACCGTG	GTCCGCGGACG
40	111601	CGGCGGCGGC	GCCCCAGGCC	GGCGCGCTCG	GCGGGCGGCT	CACGCGCCGC	ATTGCGCCC
	111661	GGGGCCCCGC	GCTCCCCCG	GGCGGCCCTGG	CCGTGGGGGG	CCAGATGTAC	GTGAACCGCA
	111721	ACGAGATCTT	CAACGCCGCG	CTGGCCGTTA	CGAACATCAT	CCTGGATCTG	GACATCGCCC
	111781	TGAAGGAGCC	CGTCCCCCTT	CCCCGGCTCC	ACGAGGCCCT	GGGTCACTTT	AGGCGCGGGG
	111841	CGCTGGCGGC	GGTTCACTG	TTGTTCCCG	CGGCCCGCGT	AGACCCCGAC	GCCTATCCCT
45	111901	GTTATTTTTT	CAAAAGCGCC	TGTGGCCCC	CGCGCCGCC	CGTCTGTGCG	GGCGACGGGC
	111961	CCTCGGCCGG	TGGCGACGAC	GGCGACGGGG	ACTGGTCCC	CGACGCCGGT	GGTCCCGGCG
	112021	ACGAGGAGTG	GGAGGAGGAC	ACGGACCCCA	TGGACACGAC	CCACGGCCCC	CTCCCGGACG
	112081	ACGAGGCCGC	GTACCTCGAC	CTGCTACACG	AACAGATAAC	AGCGCCGACG	CCCAGCGAAC
	112141	CGGACTCCGT	CGTGTGTTCC	TGCGCCGACA	AGATCGGGCT	GCGCGTGTGC	CTACCGGTCC
50	112201	CCGCCCCGTA	CGTTGTGCAC	GGCTCCCTGA	CGATGCGTGG	GGTGGCGAGG	GTGATCCAGC
	112261	AGGCGGTGCT	GTTGGACCGC	GACTTCGTGG	AGGCGCTAGG	GAGCCACGTA	AAGAACTTTT
	112321	TGCTGATCGA	TACGGCGTGT	TACGCCACG	GCCACAGCCT	GGCGCTTGGCC	TATTCGCGCA
	112381	AGATCGGCCG	CGACGGCTCC	GGTGTGCGGC	GGTTATTGCC	CGTCTTCGTG	ATCCCCCCCC
	112441	CGTGCAGAGGA	CGTTCCGGCG	TTCGTGCGCCG	CGCACGCCGA	CCCAGGGCGC	TTCCACTTTT
55	112501	ACGCCCCGCC	CATGTTTCC	GGGGCCCCCG	GGGAGATCCG	CGTCCTCCAC	AGCCTGGGCG
	112561	GGGACTATGT	CAGCTTTTTC	GAGAAGAAGG	CGTCCCGCAA	CGCCCTGGAG	CACTTTGGGG
	112621	GACGCGAGAC	CCTGACGGAG	GTTCTGGGCC	GCTACGATGT	GGGGCCCCAC	GCCGGGGGAGA
	112681	CCGTGGAGGG	GTTCGCGTCA	GAACTGCTGG	GGCGAATAGT	CGCGTGCATC	GAGGCTCACT
	112741	TTCCCGAGCA	CGCGCGGGAA	TATCAGGCCG	TGTCCGTTCG	CCGGGGCCGTC	ATTAAGGACG

	112801	ACTGGGTCCCT	GCTGCAGCTG	ATCCCCGGCC	GCGGCGCCCT	GAACCAAAGC	CTCTCGTGTGTC
	112861	TGCGCTTCAA	GCACGGCAGG	GCAAGTCGCG	CGACGGCCCG	GACCTTTCTC	GCGCTGAGCG
	112921	TCGGGACCAA	CAACCGCCTA	TGCGCGTCCC	TGTGTAGCA	GTGCTTGCC	ACTAAATGCG
	112981	ATAACAACCG	CCTGCACACG	CTGTTTACCG	TCGATGCGGG	CACGCCATGC	TCGGGGTCCG
5	113041	CTCCCTCCAG	CACCTCACGA	CCGTATCCTT	CATAACGGCC	TACGGCCTCG	TGCTCGCGTG
	113101	GTACATCGTC	TTTGGTCCA	GTCCGCTCCA	CCGATGTATT	TACCGGGTGC	GCCCCGCCGG
	113161	GGCGCACAAAC	GATACCGCCC	TCGTGTGGAT	GAAGATAAAC	CAGACGCTGT	TGTTTCTGGG
	113221	CCCGCCGACC	GCCCCCCCCG	GGGGGGCATG	GACCCCCCAC	GCCCACGCT	GCTACGCCAA
	113281	TATCATCGAA	GGTCGGGCCG	TGTCCCTCCC	GGCCATCCCC	GGCGCCATGA	GCCGCCGGGT
10	113341	CATGAACGTG	CACGAGGCCG	TAAACTGCTT	GGAGGCCCTC	TGGGACACCC	AGATGCGCCT
	113401	GGTGGTCGTC	GGTTGGTTTC	TGTATCTAGC	GTTCGTGCGC	CTTCACCAAC	GACGATGCGAT
	113461	GTTCGGCGTC	GTGAGTCCC	CGCACAGCAT	GGTGGCCCCG	GCGACCTATC	TTTTGAACTA
	113521	CGCCGGCCGC	ATAGTGTGCA	GGGTGTTCTT	GCAATACCCC	TACACGAAAA	TCACCCGCCCT
	113581	CCTCTGCGAG	CTATCCGTT	AACGCCAGAC	CCTGGTGCAG	CTGTTCGAGG	CGGATCCGGT
15	113641	CACCTTCTTG	TACCACCGCC	CGGCCATTGG	CGTCATCGTG	GGCTGCGAGC	TGCTGCTCCG
	113701	CTTCGTGGCC	CTCGGTCTCA	TCGTGGCAC	CGCTCTCATC	TCCCGGGGCG	CCTGCGCGAT
	113761	CACACACCCC	CTGTTCTAA	CAATCACAC	CTGGTGTTC	GTGTCCATCA	TCGCCCTGAC
	113821	GGAGCTGTAT	TTCATCCTGC	GGGGGGGCTC	GGCCCCAAA	AACGCGGAAC	CAGCGGCCCC
	113881	CAGGGGGCGC	TCCAAAGGGT	GGTGGGGCGT	CTGCGGGCGC	TGCTGTTCCA	TCATCCTCTC
20	113941	CGGTATCGCC	GTGCGCTGT	GCTATATCGC	CGTCGTGGCC	GGGGTGGGTG	TCGTGGCGCT
	114001	TCGCTACGAA	CAGGAGATT	AGCGGCGCCT	GTGGATCTG	TGACGTAACG	CCTCTTCCGT
	114061	TGGAAGAGGC	GGACCCAGTC	GCCCATACAA	ATTAATATCA	CGACCCGCC	CGGGCCTACG
	114121	CACCCCTCGCA	CGTCGATGC	AAATTAAAAT	CGTGCACAGA	GCCGATCCGG	CCTCGGGTCT
	114181	GCTTGCCCCCT	CCCCCGGCC	AGCACAGGCA	GGCTCGTCCG	ACTTCCGCAT	ACACCCCAAC
25	114241	CTACCGCGTG	CTTCCGCACC	CCCGCTTACG	CGTGTACGCG	AAGGCGGACC	CAGACCTGCC
	114301	GTATGCTAAT	TAATACATA	AAACCCACCC	TCGGTGTCCG	ATTGGTTCT	GGGGACGGCG
	114361	GGGGCGGGGG	CGGTGACGCC	CGACGGGGAG	GGACAAGGAG	GAGTTTCGGA	AAGCCGGCCC
	114421	CGGTCGTGCG	GGTATAAGGG	CAGCCACCGG	CCCACGGGC	GCTGTGTGCT	GCCGTGTGCC
	114481	GACCCCGGTT	GCGCGTCGGT	GCCGCTCCCT	GATTGGACC	CGGCCACTCT	CTTCCGACAC
30	114541	GCGCCCCCTC	GGAGGACACC	CGCCATCCCA	GCCCCGGCGA	CCTACAAACAT	GGCTACCGAC
	114601	ATTGATATGC	TAATCGACCT	AGGATTGGAC	CTGTCCGACA	GCGAGCTCGA	GGAGGACGCT
	114661	CTGGAGCGGG	ACGAGGAGGG	CCGCCGCGAC	GACCCCGAGT	CCGACAGCAG	CGGGGAGTGT
	114721	TCCTCGTCGG	ACGAGGACAT	GGAAGACCCC	TGCGGAGACG	GAGGGGCGGA	GGCCATCGAC
	114781	CGGGCGATT	CCAAAGGTCC	CCCGGGCCCG	CCCGAGGACG	CCGGCACCCCC	CGAAGCCTCG
35	114841	ACGCTCGCC	CGGCAGCGCG	GCGGGGAGCC	GACGATCCGC	CACCCCGCGAC	CACCGCGTGT
	114901	TGGTCGCGCC	TCGGGACCA	GCGGTGGCGT	TCCCCCGGG	AACCGCACGG	GGGAAGGTG
	114961	GCCCGCATCC	AACCCCCGTC	GACCAAGGCA	CCGCATCCCC	GAGGCGGGCG	GCGAGGTGCG
	115021	CGCGGGGGCC	GGGGTCGATA	CGGCCCGCG	GGCGCCGACT	CCACACCAAA	ACCCCGCCGG
	115081	CGCGTCTCCA	GAAACGCCA	CAACCAAGGG	GGTCGCCACC	CCGCGTCGGC	GCGGACGGAC
40	115141	GGCCCCGGCG	CCACCCACGG	CGAGGCGCG	CGCGGAGGGG	AGCAGCTCGA	CGTCTCCGGG
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	115261	CCCCCGCACG	CGGACGGCCG	CGCCCCGGTC	CCGGAGCGAA	AGGCGCCCTC	TGCCGACACC
	115321	ATCGACCCCCG	CCGTTCGGGC	GGTTCTGCGA	TCCATATCCG	AGCGCGCGGC	GGTCGAGCGC
	115381	ATCAGCGAAA	GCTTGGACG	CACTGCCCCTG	GTCATGCAAG	ACCCCTTTGG	CGGGATGCCG
45	115441	TTTCCCGCCG	CGAACAGCCC	CTGGGCTCCC	GTGCTGGCCA	CCCAAGGGGG	GGGGTTTGAC
	115501	GCCGAGACCC	GTGGGTTTC	CTGGGAAACC	CTGGTCGCTC	ACGGCCCGAG	CCTCTACCGC
	115561	ACATTGCGAG	CCAACCCCGCG	GGCCGCGTCG	ACAGCCAAGG	CCATGCGCGA	CTGCGTGTG
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	115681	ATGTGCATT	ACCACAAATCT	GCCGCTCCGC	CCCCAGGACC	CTATCATCGG	AACGGCGGCC
50	115741	GCCGTGCTGG	AAAACCTCGC	CACGCGCTCG	CGCCCCCTTC	TGCACTGCTA	CCTGAAGGGCC
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	115861	ATTGCTCCT	TTGTGTTGGT	CATCCTGGCC	CGCCTCGCCA	ACCGCGTCGA	GCGCGGGCGT
	115921	TCGGAGATCG	ACTACACGAC	CGTGGGGGTT	GGGGCCGGCG	AGACGATGCA	CTTTACATC
	115981	CCGGGGGCCT	GCATGGCGGG	TCTCATTGAA	ATACTGGACA	CGCACCGCCA	GGAGTGTTC
55	116041	AGTCGCGTGT	GCGAGCTGAC	GGCCAGTCAC	ACTATCGCCC	CCTTATATGT	GCACGGCAAA
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	116161	GTTCCGTGTG	ATGTTCTTGG	CGCGCGCGGC	GGGTGGGGCG	GAGACTCCGG	GGCGATGCCG
	116221	GCGTGCCTG	GGGAGGAGGG	CGATGACCCA	CCGGATAAAT	GTGGGGCCCC	GGCCCGGCC
	116281	GCTTCATAGC	GCGTCCAGGA	ACTCACGGCA	GACGCGTATT	CACCGACCCC	CCCCTCGCAA

	116341	CATGACAACG	ACGCCCTCT	CGAACCTGTT	TTTACGGGCC	CCGGACATCA	CCCACGTCGC
	116401	CCCCCCGTAC	TGTCTGAATG	CCACGTGGCA	GGCCGAAAAC	GCCCTGCACA	CGACCAAAAC
	116461	GGACCCCGCG	TGCCTGCCG	CGCGGAGTTA	TTTAGTCCGC	GCCTCTGCT	CGACCAGCGG
	116521	CCCCATCCAC	TGTTTTTCT	TTGCGGTGTA	CAAGGACTCG	CAGCACTCCC	TTCCGCTGGT
5	116581	TACCGAGCTC	CGCAACTTCG	CGGACCTGGT	CAACCACCCG	CCCGTCTTGC	GCGAACTAGA
	116641	GGATAAAGCGT	GGGGGGCGGC	TGCGGTGCAC	GGGCCCATTC	AGCTGCGGAA	CCATCAAGGA
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	116941	AATAAAAGAGT	GAGAACCAAC	CAAACAGAC	GCGGTGTGAG	TTTGTGGGTT	ATAGGAACCC
	117001	GGTAAATACC	ACGCGACGAA	CCAGCATGTG	TGTTAACGCA	ACTTTTATTC	GTTGTATCGC
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15	117121	ACCCAAAAAA	CCGCATGACG	ACACGTCCCC	CCACACCACC	CTGGGGCTTG	GGCGTGTGCG
	117181	GAGCTCGACG	CACAGGGGC	CGCGCGTTGG	GCCCCGTACA	GCTCTCGCGA	ATTGACAAGC
	117241	GGGGGTGCGCC	ACGTGCGCGA	GCTTGCACG	CGGGGTTGGT	CGGCCGGGCC	CACGGACCCG
	117301	CCCGGTGGCT	CGGTGCGACA	TGCGGCCATG	ACCATGGCGT	AGGTGGGGGG	GCGATCCGAG
	117361	GTCGCCTCTG	CGTAAGTAGG	GAGGCCCGAC	GGGAGGTGCG	CTCCCACGCC	AGGGTGGGCC
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	117481	CTCCGGCGCC	GCGCCCGTCG	TTCGCGCGCG	CGCCTGGCGC	GCCGAGCGGC	CCGCCAGGCG
	117541	GCGCGGCGCG	AGCGGCCACG	CTCACACACC	TCGCCGTCAC	CGGAAGAAGC	CGGTGAAACA
	117601	AGCCAACCG	GCGACGTCCC	TGCAAGATAC	GTTGGAGGCG	AGTCCGTGGG	GGTGTGATA
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25	117721	TCAATCACGC	TATCATCTCC	GTCACTCCCTG	CATGCGTGGG	CATGCCACAGC	CCCAACAGCC
	117781	ATGGTGGGGA	TTCGCGCTC	AGAACGCTGC	ATGTCGTGTG	GTGGTCTGTA	GTCCAACGTG
	117841	CCTCCCCCAC	CCACACACA	GCCGGTCCCC	ACGCCGACCA	CTAGACCGCA	GACGTCGCC
	117901	AACCGAGGTC	CCCGTGACA	GACCGCGCCT	TTTATAGCCC	CAGGGGTTGC	TAATTAACGC
	117961	ACGCATGCG	ACGCAATTAA	TTTGCTCTCC	CCGCGTCCTC	CCCTCCCCCTG	CGCACACGTG
30	118021	ATAGGTCTTG	GGAACCCGAG	GGGCGACGCG	GGGAAAGCGC	GCCCCCGCCC	GGCCGCCGCG
	118081	CGCCCCCGCC	CGGCCGCCGC	GCGCCCCCGC	CGGGCCGCCG	CGCGCCCCCG	CCCGGCCGCG
	118141	GCGCGCCCCC	GCCCCGGCGC	CGCGCGCCCC	CGCCCCGGCG	CGCGCGGCC	CCGCCCGGCC
	118201	GCCC CGCTCG	CGCCGGCGC	CCCTCCCGGC	GCTTCCGGGG	TCTTCCCTTC	CTTCCCCGCC
	118261	GCGACCCCCG	CCCCGCCCCA	CCGCCCCCGC	CGGCAGGGGG	GCCCCGGCGC	CGGCAGAAC
35	118321	ACACAGACGA	ACACACGGTG	GCGATCTTT	CTTACTTCG	GCGGACCAGC	GAGCCCCGGC
	118381	CCC GGCGCGC	GCCCCGCCGC	CACACCCACG	GCACCCCCCC	CGCCGCCCGA	CCCCGGGGTC
	118441	CACACAGGAG	CGCGCGGGCG	GCAGAAACGC	GGGCGCGGCG	GCGGTGGGG	TGGGAGTGGT
	118501	GGTGGGGGAC	ACGAAAACAC	ACCCACGACA	CTCTCCCCCC	ACCCCGACCG	CCGCCGCC
	118561	CCACCGGGCGG	GATCGCGCG	AGACGCAGCC	GGGCCCCCCC	CCACCACCCG	CCCACCCACC
40	118621	TACCCCGCGC	CCGCAGCCTC	CGGCAGCACG	CCGACCAACCG	CGGCCACCCCC	CCAAACAGCC
	118681	AAGGCGCGGT	GGGGGGCGTG	GTGGTGAACG	ATGGGGGAA	CACGGGGGGG	AGGGGTCCGG
	118741	GGCGAGGCGG	GCGGGCGAAG	GAAGGGGGGG	TGGTGGCGGC	GGCGGTGGAA	AGGGAAAAAA
	118801	CGGAGGATGG	AAGGGCAGAA	GATGGGGAGT	CCCGATCCTC	CTCCTGCAATC	CCCTCGCCCT
	118861	CCATTCTCCG	GCCCTCCCGC	AGTCCCAGC	CCCCCCCCCC	GCCGCCCGAC	GAAGGAGACC
45	118921	CAAGCACCGC	AGCCGGAGAG	GCCGAGCGGG	GAGTGGCGGG	CGGGGGGGGA	GGATGGCGGA
	118981	GAGAGAGAGA	GAGAGAGAGA	GAGGGGGGGG	GGGGGAGAGG	GAAAGCAACG	GGAAAGAGAG
	119041	GCGCGCGGAA	AAGCAGCAAG	AGGGGGGACG	GGGCAGGCCG	GGCAGAGTGC	GGAGCCCCCG
	119101	GAGCCC CGCG	CCGCAGCCGA	GCAGCGCCGC	GGGCTCCGGG	GCCGGGCCGG	GCCGGCAACG
	119161	CCCCCGCGCCG	GCCCGGGCGG	AGAGAACCCC	TGTGTCTATTG	TTTACGTGGC	CGCGGGCCAG
50	119221	CAGACGGGCC	CGGGGCCAGC	AGACGGGCCG	CGGCCGCCAGC	GGCCCAACGCC	TCCCGCCGCA
	119281	TTAGGCCCCC	GCGGGCATCC	GGCGGCCGGC	CCCACGCCCT	TCCATTAAAC	ACTCCCACGT
	119341	TGGGGGGGGG	CGCGCCAGCT	GAGTGTCTG	CGGTTGCGGG	CGCCGTGCC	GGAGATCCAT
	119401	TAAGCCGCCG	GAGAGCCCAG	GCCCCGCCCG	CGTGTGTGCTG	TGGGCAATTTC	TGCTCGCTCA
	119461	TCCCTGTCTT	TATAAAACCG	GGGGCGCGGC	AGCAACGAAC	GCAGGGGCC	GCCGCCGATC
	119521	GAGAGGGACT	CCGGGAGAAGG	AAGGCTGCTC	CGCGCACCGG	CGGCCACCTTC	TCCCTCTCCC
55	119581	TCCCTACCTC	CCCCCTCTCTT	CCCCCTTTTT	TCCCCCGCCT	CCCGTCTTCT	TCCCGCCCTC
	119641	CGAGGGTCCG	CCTCTTGCGCT	CGGGGACCCC	CGGGGGGGCC	GGGGCTTGGC	CGCCGAGGTG
	119701	CGCCCCGGCC	GGAGGGGGCC	CCGCACCTCG	GCGGCCGCCC	CCTCCGGCGC	CGCGCGTTCG
	119761	CGAAAGGCGC	GAAAGGGGCC	CCCGGAGGCT	TTTTTCGATT	CCCGGCCGGG	GGTCCCGGGGT
	119821	AGCCGGCCGG	CGCCGGCG	AAGGCGTCCC	CGGCCCGGGCG	GTCCGGCCCG	GGCCCCCGGC

	119881	GGAGCGCGGG	GGCCCCGGGG	CCCCGGGCCG	CGCCGGCGGC	GTTTCCGCGT	TCCGTTCTT
	119941	CTCCCTCCCG	GGCCGCCCCG	CTCCCGGGCC	CGACCCCTCGC	CCCTTCCTT	CTCCTCGTCT
	120001	TCCCCCGTCC	CGCCGCGCCC	CTTCCCTCTT	CCTTCTCTCT	CTCTGTCTCG	CTCTCCTCAC
	120061	ATTTCCCCCC	CCCCCCCCCG	CGCCGCGCCG	CCTTGTCCCC	CGTCCCACCG	AGACGCCGCG
5	120121	CCGCGTGAGC	CGTCCGCCGG	GGGACCCAGG	CTCCGGGGGG	GGGGGGCGCC	TGCGTGTGTC
	120181	TCGTGTGAGA	GAGCGCGCCC	CTCGAACGCC	GCGCGTTCTC	GCAGGTAGGT	TTAGGGTGT
	120241	ACAGGTGAGC	TTCTGCTGAG	GCGGCGGGGG	GAGGGGGGGG	GGGCGGGCGG	AAGACAGAAAG
	120301	AGAGCAGGGG	TTGGGGGAGA	ACTGTTCTTC	CTCCCCCTTT	CAAGAAACAC	GAGGCCGGGG
	120361	TCCCCAGAAA	GGCAGGCAGG	TCAGCCGCAC	CGCCCGCGAG	CCAACCCGTA	TCCCTTTTTT
10	120421	CTAGGTGTTT	TTGTTTTTGT	TTCTGTTTTT	GTTTGTGTTG	TTATTATTTT	CGCGGATCCG
	120481	GCGTGTTCGG	ATCCACCCCC	CCTTTCTCCT	TCCTCTTCCC	TTCCACCCAC	CCCCGTTTCC
	120541	CCCCCCCCCG	TCGTCGTTCC	CGGGGGGGCA	GGCGCGGGTC	GGGCCCGTAC	GCCCACCGCC
	120601	CCCACGCGCC	GGTCACCCCC	CCCCAACAAAC	CCCAAAGGCG	CGTGCCTGGC	CACAGCCGTG
	120661	GGTGTGGCGC	CCGTCCCCCT	CCTCTACCGC	GTGGGCGCGG	GCGGGGGGGT	GGTGGTAGTG
15	120721	GTGGCGGAAG	GAAACGGGCC	GGGGGCCGGG	GCGCTAGGG	AAAGGTAGGC	ACGCGCGCGG
	120781	TGTGTGACT	TGCATGCC	GCAAAACGCG	TCGTGTGCGT	TTGTGTGCGT	GTGGGCCGTG
	120841	TTGTGGTGGG	CCGTGTGGTG	TGGTGTGGTG	TTGCGAACGC	GCGAGCCCCC	TGCCCCCGAT
	120901	GGGAGTCTCC	CCGCAGCCAG	GGTAAGGAGG	GGCGGGCGTG	GCGGGCAGGT	GTGCGGGCGG
	120961	GGTGGGGTGA	GTGCGGTTGC	ATGCCTCGGG	TCTCTCTTC	CTGCTCTCC	TCCCTTCTCC
20	121021	CAGCCAGGGT	GAGGAGGGGC	GGGCCTGGCG	GGCAGGTGTG	CGGGCGGGGT	GGGCGCCGGG
	121081	GCGGGGGTGG	GCACGGCGT	AAAGTGCGGGT	GCATGCCTCG	GGTCTTCTCT	TCTCCCTCCT
	121141	CCTTCCTCCC	ACCCGTCCCC	GGGGGCAGAG	GGCGTGCATG	CGTTGTGATT	CAACCGCCCT
	121201	CGCCCCCGCC	CCACTTCTCC	CCCTCTCTAT	CAAAGTTCCC	TGGCCCTGG	CTTCGCGCCG
	121261	GTGGTGCGGC	TGACCCCCC	CCCTCTCCCT	CCCCGAGCCA	GGGCCCTCC	CACTCCTGCC
25	121321	CACCACCCCC	AGGGTCTGGC	CGGCCAGACG	TGCGTGCCT	GCACGATCGG	GCCCCCTCC
	121381	CTGTCAACAC	GGACACACTC	TTTTTTTACC	CGCCAGCCAG	CCCGCCACC	CACCAAGACA
	121441	GGGAGCCAGA	ACGAGGCCGG	GCCCCGGCTC	TGTTCTATGA	TAAAGACCAA	CAGGCCTCGG
	121501	GGGTGGGGGC	GGCTTCTCGT	GCCCCCCCCC	CCTCTCTCTC	CTCCCTTCCC	CCCCCATCCCC
	121561	GGCCCCCCTG	CGCGGGGGAG	CTGCATCAA	GGCCAACAAAC	AAAGTGTGTC	AAAAGCATCA
30	121621	CAAAACTTTA	TTGTAAAATT	TTTATAAATA	TAAAGTTTTT	TTTTTCTCA	AGTTTCAAC
	121681	AAGGCCAGAA	AGTCCATAAC	AAAATGCTGG	TGTTGTGTTG	TGTTCGGGGC	CGTGTCCGTC
	121741	CCCCCCCCCCC	ACTCCCACCC	CCACTTCTCT	TCTCTCTCCC	GTCTTCTCCC	CCCCCCCACCT
	121801	CCCCCTGCC	CCGAGGCC	TGGGCCGGT	GTCCGGTGGG	GGGCGGCTTC	CTTCGGGCAG
	121861	CAAGCCGAGT	GTTAGCTCCC	CCTACTCCCC	GTGGCCCGCG	GGGGCGTCGC	GGGCCGGCGC
35	121921	GGGCGCGCCC	TGCTCCCGAG	ACCACGGGT	GCGCGACCGG	AGGCCGTGGA	AGTCCAGCGC
	121981	GCCCACCAGG	GTGCCCTGGT	CAAAGAGCAT	GTTGCCACC	GGGGTCATCC	AGAGGCTGTT
	122041	CCACTCCGAC	GCGGGGGCG	TGGGGTAGTC	GGGGGGCCTC	ACGCAGTTGC	GC CGGTGCTC
	122101	GGGGAGCAGG	GTGCGGCC	TCCACGCGGG	GGCCGCGGCC	CGCAGCAGGT	CCGCCACGTT
	122161	CCCCGTCTGG	TCCACGAGGA	CCACGTAGGC	CCCTATGTGG	CCCGTCTCCA	TGTCAGGAC
40	122221	GGGCAGGCG	TCCCCCGTGA	CCGTCTTGT	CACGTAAGGC	GCCAGGCCA	CGACGCTCGA
	122281	GACCCCCGCG	ATGGGCAGGT	AGCGCGTGA	GCGGGCGCC	GGGTGCGGG	CCCCGGGCTC
	122341	GGGGCGCGCC	TCCGCGTGGC	GCGTCTTCCT	GGCACACTTC	CTCGGCCCCC	GC GCGCAGC
	122401	AGCGCGGGGG	CCGAGGGAGG	TTTCTCGTCT	CTCCCCAGCG	CCGGACGCGG	ACCGGACGCT
	122461	CCCACCAAGCC	CCGCCCCCAG	AGGAAGAGGC	GGAGGAGGAG	GAGGCAGGAGG	AGGAGGAGGC
45	122521	GGAGGAGGAG	GAGGCGGAGG	AGGAGGAGGC	GGAGGAGGAG	GAGGCAGGAGG	AGGAGGAGGC
	122581	GGAGGAGGAG	GAGGCGGCC	CGACCGCGGC	CTGGGACGAC	GGAGACGCCG	ACGGGGGCCG
	122641	GGCGCCCGCG	GACGCCGGGG	CGAGCGGCC	GTGGCCGCGG	TCGCCCCAGT	CCGAGTCCGG
	122701	GGCCCGGCC	GGCGCCGCC	TCTTGGCCCC	CACCCCCCTGG	GGGGCGAGGG	GGGAGGCCGG
	122761	GGCAGGGAG	GAAGAGCGG	AGGACGAGGC	CGCGGGGCC	GAGTCCGACC	CGCGCCTCTT
50	122821	CGGGGGGCGG	GCGCCGCC	CCTCCGCGGC	GTGGGGGGCG	GCACCGGGGG	TGTTGGTGCC
	122881	CGGGGGGACC	CGGGGTCTC	CCTCCGCGGC	CGGCCCTCCC	GACCCCGCGC	CGTCGGTGC
	122941	GCCTGCCCGG	CCCAGACTCT	GTGCTTGGGT	GTCGGTCTGA	GCCTGGGTCA	TGCGCGACCG
	123001	GGCGCGCGG	TGCGCGTCA	CCGGCACGGC	GGGCGGCCG	GGCCCGGCCG	CGTCCGCGCT
	123061	CGCAGACACC	ACGGGGCGG	CGCGGGCGCG	GGGCGGACTC	CGGACGCGC	GGGCGACGGC
55	123121	CGCGCGGGGG	CGCGCGGCC	GCCCCGACGA	CTGTGGCAGA	CCTCCCCCCC	CGGGGCCCGA
	123181	GGACACCTGT	GC GGAGGAGG	AGGAGACAAA	GGAGAGCGGC	CGGGGGCCCC	CGGGGGCGGC
	123241	CGGAGACGGC	GGGGGAGAGT	CGCTGATGAC	TATGGGGGGC	TCCTGGGCCG	CGCGGGGCTG
	123301	TCTCGCGGGG	GGCGTCTGC	CCTCCGCCGC	CGCGGGCT	TCGCCCACCC	GCCGCGCCTG
	123361	CGCGCGCCCC	CGCGCGGCC	CAGGGGGAAAG	AGAGGCCACT	CTCGGCACGA	CGGGCGCGAC

	123421	GGCAGGGCCG	CCCCCAGACC	CAGATCCCAC	CCCCGCCCGC	AACGGGGCGC	CGCCGCTGCT
	123481	GCTGCTCCGC	GGGGCGCCAG	GGGGCGCCGG	TCGGGTCGCG	CGGGGCTGGG	AGGTTCCCGCG
	123541	GGTCGCCCCC	GCACCGCCGC	CCCCGCGCCG	GGCGCCTCTT	CGGGGGCGG	GCGGGACGTA
	123601	GTCCACTGCA	GAGGGAGACA	GAGACGGGAG	CCCCCGGTTA	GTGCCCGACC	CCCGCCCGAC
5	123661	CCCCGCCGA	CCCCCGCCCG	ACCCCCGCC	GACCCCCGCC	CGACCCCCGC	CCGACCCCCG
	123721	CCCGACCCCC	GGCCGACCCC	CGCCCGACCC	CCGCCCGCCC	CCGCCCCGAC	CCCCGCCCGC
	123781	CCTCACCGTC	GGCCAGGTCA	TCGTCCTCGT	CGTCCGTGCC	GGGCCACGGG	GGGGTGGGCG
	123841	ACAGGGCGCG	GACCGTGTGT	CCCCCAGCG	ACAGGGAGCG	GGGGGCCGTC	CGCGGGTTGC
	123901	CCGTCCAGAT	AAAGTCCACG	GCCGTGCCGG	CCCGCACGGC	CGCCTCGGCC	TCCACGCGGG
10	123961	TCCGGGGGTC	GTTCACTATC	GGGATGGTGC	TGAACGACCC	GCTGGCGGTC	ACGCCCACTA
	124021	TCAGGTACGC	CACCGGGGTG	TTGCACAGGG	GACACGTGTT	GCGCAACGGA	ATCCAGGTCT
	124081	TCATGCACGG	GATGCAGAAC	GGGTGCAGGC	AGGGAAAAC	CTGGCAGCGC	AGGGGGCGGGG
	124141	CGATCTCGTC	CGTGCACACG	GCACACACGT	CGCCCCCCCC	TCCCCTCTCC	GCTTCCTCCT
15	124201	CACCCACGGG	CCCACCCCCA	CAGGATCCCT	GCACGTGCC	GGGCGTGGG	CTGCCCTGGC
	124261	GCTCGGCCGG	GGGCCGGGGC	GGGGCGCTGG	CCGCGTCCAT	CAGGCCGCC	TCGAACATCT
	124321	CCGTGTCCGT	GCTGCCGCC	TCGGAGGTGG	AGTCGCGGTG	AAGGTCGTG	TCAGAGATT
	124381	CCACCTCGGT	CTCCTCTCC	GAGTCGCTGC	TGGCGAGCCA	CTGCATGTG	TTGAGCATCC
	124441	CCCAGGCCTG	CGGGGCGGGC	GGCTGCTTG	CAAAGCAACG	GGGGGGATT	AGAGGGCGCG
	124501	GGGCGTGAGG	CGGGACCCC	GGCCCGTGTG	CCCCGTGTCC	CTCCCTCAC	CCGGCCCCCC
20	124561	GCCCGCTGCT	TTTGTTCGG	AAGGGGGGGA	GAAAGGGGTC	CGTAACCAAA	GGTGGTCTGC
	124621	GTCCTTTGGA	TTCCGACCCC	TCGTCCTCCC	CCCTGTCCCC	CGCTCTCGG	CTCCTCCCTG
	124681	CCTCCCTCGC	CCCCCAGAG	GGTCGGGGGG	CGGCCACGG	CCCACGGGG	TCCCCCGACC
	124741	GCTTAAGCGG	GCGGGGGGTC	GGCCCCGTCA	AGCGTCCCCG	CCCCGAGCC	CACCGCCCGC
	124801	GACCACCCCC	AACCCGCAGC	CGGGTGGTCC	GGGGAAAAGG	GGGGGCCTGA	GACCCGGGGG
25	124861	TCGCCCTCTC	ACCGTGCCGG	GGGTCTGCCG	CGGCCGCCGC	TCGGGGCCGG	GGTCCGCCCG
	124921	GGAGCTCGTG	CGGGGCCGGG	GTTCATGAG	CCGGGGTAGG	GTAGACTCGA	GACGGCGGCC
	124981	CGCGGTCTCT	CTCTTGCCTG	GTTTTAGTCT	CTGTCCTCTCC	GGGTCTCCTC	CTCCCGCCGG
	125041	GCCGCCGCTC	CGTCGCTCGC	AGTGCCGGGG	TGCGAATGCG	GCCCGACCGT	CACACGGGGC
	125101	TGCCCTATAC	CCGGCGCTA	TCCACTCCCC	CAAAGGGGCG	GCATTTACGA	TTCCCCCAAT
30	125161	AGCCCGCGCG	CCCGGCGGGG	GGGGAGGGAG	GGAATCCCC	CCTCTCGGGG	CGGCCCGCGTC
	125221	CCCGGGGACC	AACCGGGTGT	ACTCCAAGAA	CCCCATTAGC	ATGCGCCGCC	CCOCGCGCGAC
	125281	GCAGATGGGA	GTCCCCCGG	CGCCCCGCCG	GCGCGGCCCT	GAGTGGTGCC	CGCCCCCGGG
	125341	GAAAAATTCA	TTAGCATACT	AGGAAGCCCA	GGGGACCAAT	AGGGGCCGAT	CAGCCCACCC
	125401	ACCCGGCGGC	GCGCGAGGCT	CTGCGTGTTC	TGCCAAGAAA	GTAATCAGCA	TAACCCGGAA
35	125461	CCCCGAGGGA	GTAATTACGC	GGGGAGCGAG	GGGCCGTCCG	AACGTTTTA	ATTACCATAA
	125521	CGGGGAATGG	CGGCCCGTTA	AAAGCTGCTA	ATTACCGCGA	GCGGGAACGC	CGGCCCATTA
	125581	AAAGTTGCTA	ATTACCATGC	GGGGGGATGG	CGGCCGGGAC	CGCCTATTAA	AAGTTTCTAA
	125641	TTACCATACC	GGGAAGCCGG	CGCGGGGGCG	TCGCCGGGGC	GGAGTCCGGG	CCCGCGCGGC
	125701	GGCGCGCGGT	TGGCCGGCGC	CGCCCCCTGG	GGCGGGCGGA	GCGCGGGGGC	GGCGCCGGGC
40	125761	CCTCGCGGAT	ATATACCGGG	GGCTCCCATC	GTCTCTTCGG	AGAGCGGGCT	CGCGCAGACCC
	125821	TTCGGAGCTC	CGGGGCTCCG	CGGCCCGAGG	CCGCCCTCGC	CGGTTCAACC	CTAGACCGCC
	125881	CGACGGCCCG	GGCCCCGCCG	GGCGGAGGAC	CCGCGCGCCG	CCGCCGCCG	CTCCTCCTCC
	125941	TCCCGGGGTC	CGCCGTCTTC	GTGGGCCCCG	GCTCGGGCTC	GGGCCCCGAGC	TCGGGCCTCG
	126001	GGCTCCAGGC	ACGGTCCGAT	GACCGCCTCG	GCCGCCGCCA	CGCGGCCGCC	GAACCGGTCC
45	126061	CGGTCGGCC	GCTCGCGCG	CCAGGACCCC	CGTGGGGCCA	GGCGCGCGGC	CGTCTCCAG
	126121	GCCACCAGAT	GGCGCACCTG	CACGCGCGGC	GAGAACGACA	CCTGCGGGCG	GGGAGACACCG
	126181	GGGGTCGGAG	GGGCGTCAGG	GGGTCGGAGG	GGCGTCAGGG	GGTCGGAGGG	GGCGTCAGGGG
	126241	GTCGGAGGGG	CGTCAGGGGG	TCGGAGGGGG	GTCAGGGGGT	CGGAGGGCG	TCAGGGGTG
	126301	GGAGGGGAGG	CGTACCTTC	CGCGCGGCCG	GTCCCGGGGC	GGGGACGCCG	GGGGCCGCCG
50	126361	CGGGCGCAGG	CTCAGGGCGC	CCAGGTACTC	CGTCGTGGT	CGCAGCGGTA	GCGCCAGGTG
	126421	GGGCGGAAGG	GGGCGCTCGC	GCCCCGCGCTC	CTTGCCTCGC	GGCGGGGGGG	GGCAGGCCGC
	126481	GGCAGGCGCG	GGGTGCGGGG	CCTCCGGCGC	CTTCCCCCG	CCCTCGCTCG	GGGGGCTGTGTT
	126541	CGCCCACCTCT	CGCGTCGTCGT	TGCCGGCGTA	GTCCCGCTCG	TCGCTGTG	CCGCCTGGGG
	126601	CACCAGCAGC	CAGCGCCGA	GGAGCGAGGA	CGCGGCCGCC	GGCGCTCTCGA	CCCGCGGTTCC
55	126661	CGAGTCGTAC	GCAGGGACCA	TTTGGGAGTC	TGCGGTTGGG	AGCGCGCCGG	GGCGCGGCAC
	126721	GGCTGGAGCG	CGGGGGCGCG	GCACGGCTGG	AGCGCCGGGG	CGCGGCCGGC	GCCGGGGGAC
	126781	CGGGCGGCCG	GGACCCCGGC	GGCGGGGACAT	GGCGGGCGGC	TGGGCTCGGC	GTAGGCCCCGG
	126841	AGCCGGAGCG	CGTCGGGGCG	GGAGAGTTCA	CTCGGCACGC	ATGCACGTG	AACCGCCAGT
	126901	CCGTGCTTGC	CTAGCGAACT	CACCCGTCCC	GGCTGGCGTG	CGCAGCCCGG	GCCGTGTTGC

	126961	GGGCCCTCTT	AAGGGGCGGC	GGCAGGACGG	GGACTCCCGC	CCCGCCTCTT	TTCCCCCGGG
	127021	GAGTCAACCC	CCGGGGGGGG	TGTTTTTTGG	GGGGGGGGCGC	GAAGGCAGGC	GGCGGCGGGCG
	127081	GGCGGGCGGC	AGGGCAGCCC	CGCGCGCCCC	CTTCCCCGTC	CCTCCCCCGG	AGCGGGCGGC
	127141	TCCCCCGCGG	GCGCCGGCCC	TCCCCCGCGG	CGCGCGGGGG	CTGCCTTCCC	GCGGGCGGCC
5	127201	CCGCGCGGGCT	TTTTTCCCCTC	GCCCAGCCCC	GCGCGGCAGG	ACGGGGACTA	GCAGGCTGTG
	127261	CCGCAGACCA	CCACACACTC	CCAAGCTCCC	CGCCCCCCCC	AAGACGCCAG	TCGCACCACC
	127321	GCTGCCCTC	GCAGACCAGA	CAGTTGCACC	AAGCACCCGC	CCGCCCCGAC	ACGGTTCCCC
	127381	GCCACCCCCCT	CCCTCCCCCTC	CATCCCGCGG	AGCTCGCGGC	AGCCCCCTCCC	CCCGCGCGGC
	127441	CACGGGCTG	CGGTCCCCGCG	GCCGCCTCCC	CCGCGGCCGC	CTCCCCCGCG	CCCGGCCCGCG
10	127501	GGGGCTTCCC	CCGCCCCCTCC	CCCCCGCGCC	GCGGCCCGA	GCTCGCAGCA	GCCCTCCCT
	127561	CCCGCGCCCC	GTGCCTTCCC	TCCCGCTCCT	GCGGGGGGGC	TCGGGCCACC	TGACCTTCGT
	127621	AACCTGCACT	CAGGTCAAGAG	CCCCAGACCC	CCCGCGGGCG	CGGGAGACGT	GCCGCCCGCC
	127681	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCGGC	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC
	127741	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCGGC	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC
15	127801	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCGGC	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCCGCC
	127861	CGACCCCCCGC	CCGCCCCGACC	CCCGCCCGGC	CGACCCCCCGC	CCGCCCCGACC	CCCGAATAAA
	127921	CCACACAAGG	CGGTACGTTT	TCGTCTGTCT	CGTTCTTTAT	TTCTCACACA	CGCGCGCGGC
	127981	CATCGCCGCG	TCTGTCTTAA	AGGCGCACAG	ACGCCCATT	CCTTCCCCCT	CTCCCCATCT
	128041	CCCCCTCTCC	CCGCTCCCGG	AAAGTTTCCCC	CCCCGTCACT	CCCCAAACAG	TCCGTCGTG
20	128101	TCGTCCTCCA	GCTCCCGCGTC	CATGTCCACG	GGCTCGCGCC	TCGGCGGGCGT	GGCCAGCCCC
	128161	GCGGGGGTCC	CCACCACTC	CACGCCGCCG	CCCGCCCGG	CCAGCACCGT	CCCCCGCGCG
	128221	CCCGCGGCCG	ACGCCAGCG	TATCTCGGGG	GGCGGGCCCG	CGTCCCGCGTC	GTGCGCGAGC
	128281	ACCAGCGGGG	GCGCGTCGCC	GTCGGGCTCG	AGCAGCGCCC	GCGCGAGAA	CTCCCGCCGC
	128341	GGCCCGCGCA	GCTCCGCCGG	GCCGCCGCCG	ACGGCGTCGC	GCCCCAGCGC	CACGTAGACG
25	128401	GGCCGCAGCG	GCGCGCCCAG	GCCCCAGCGC	GCGCAGCGC	GGTGCAGGTG	CGCTCTCGTCC
	128461	TCGCAGAAGT	CCGGCGCGCC	GGGCGCCATG	GCGTCGCCCG	CGCCCGAGGC	GGCGGCCCGG
	128521	CCGTCAGCGC	CCGGGAGCAC	GGCGCGGCCG	TACTCGCGC	GGGACATGGG	CACCAAGCGTG
	128581	TCGGGGCCGA	AGCGCGTCGCG	CACCGCGGTAC	CGCACGTTGG	CCCCGCGGCA	GAGGCCGAGC
	128641	GGCGCGCGGT	CGGGGTACAG	GCGCGCGTGC	GCGGCCCTCA	CGCGCGCGAA	GACCCCCGGC
30	128701	CCGAACACGC	GGCCGGAGGC	CAGCACGGTG	CGGCGCAGGT	CCCGCGCCGC	CGGCCAGCGC
	128761	ACGGCGCACT	GCACGGCGGG	CAGCACCTCG	CAGGCCAGGT	AGGCAGTGTG	CCCGCGAGACC
	128821	ACGGGCCCGT	CGGCGGGCCA	GTCCCGGGCG	CGCACGGCGT	TGACGACGAT	GAGGCCGGCG
	128881	TCGCAGGCGC	CGGCCAGCAG	CCCCAGGAAC	TCCACGGCGC	CGGCGAAGGC	CAGGTCGGC
	128941	GTGGACAGCA	GCAGCACGCC	CTGCGCGCCC	AGCGCCGAGA	CGTCGGGGC	GCCGGTCCAG
35	129001	TTGCCCGGCC	AGGCGGGCGT	GGCGGGCCCG	CAGAGCGGGT	TGCCCAGGGC	CGCCAGCGAG
	129061	CAGGACAGCC	CGCCCGCTC	GGCGGACCAC	TCCGGGGGGG	GCCCCCCCCC	GGCGCGGCC
	129121	CGGGCCAGGT	CCTCGCCCGG	CAGCGGGCGAG	TAGAGGATCA	CCACGCGCAC	GTCTCCGGG
	129181	TCGGGCACCT	GGCGCATCCA	GGCGCGCCG	CGGCGCAGCG	GGCCCGAGGC	GCGCAGCGGG
	129241	CCGAAGGCGG	CGGGCGCGCC	GCCGGGGGGC	GGGGCGCGC	AGCGCGCGGC	CAGCGAGGCC
40	129301	AGCGCGCGCG	GGTCGAACAT	GAGGGCCGGG	CGCCACGGCG	GGGGGAAGAG	CGGGTGGTCC
	129361	GTGAGCTCGG	CCACGGCCCG	CGGGGCGCAG	TAGGCCCTCA	GGGCGGGCGC	CGAGGGCGCC
	129421	GGCGTGTGGC	TGGGCCCCGG	CGGCTGGCG	CGCCAGCCGC	CCTGCGGGTC	GGGGCCCTCG
	129481	GGGGGCCCGGC	GGGTCAAGCGC	CGCGGGGCGC	GGCGGCCGCG	CGGGCGGGCGT	CGGCGGGGGCG
	129541	GGGGCGCGCG	CCCCCGCGGG	AGGGGCGGCC	CGGGGGCGGG	GGGCGTCGGC	CGGGCTCTTC
45	129601	TTGGGGGGGC	CGGGGGCGCC	GCCCAGCGGG	GCCCTGGCCG	GGGCGGGGCT	CTTGCCTTG
	129661	CGCGCCTCCC	CGGGCGCGGA	GGCGGGCGCG	GCGAGCGAGT	CGGCCAGCGC	GACGGTGTG
	129721	GCCAGCAGGG	GGCGCAGGCT	CTGGTTCTGG	AAGAGCAGGT	CGCGGGCGGC	GGCGGGCGCG
	129781	GAGCTCAGCA	GGCGCGGGCT	CCGCGGGCAGC	GGCGGGCCCA	GGGCCCCGGC	GACCAAGGCTC
	129841	ACGGCGCGCA	CGGGGGCCAC	GGCGGCCTCG	CTGCCGCCGG	CCACGCGCAG	GTCCCCCGCG
50	129901	AGGCGCATCA	GCACCAAGCGC	GTGCGCAGCG	AACCGCAGCT	CGCGCAGCCA	GGCGCGCAGG
	129961	CGGGCGCGGT	CGGCGTGC	CGGGGCGGCC	GCGCCCGCGG	GCCCCGGCG	CGGGGGCGCG
	130021	CGGGGCCGGG	CTCCGGCCAG	CCCCGGCACG	GCGCCCGAGGT	CGCCGTGCAA	GCCCTCCG
	130081	AGCGCCTCCA	GGATCCCAGC	GCAGGCGGCC	AGGCACCTCA	CGGCCACGCC	GCCCGCCTCC
	130141	GCGCGCCGGC	CGCCGCCACC	ACCGCCGGCG	CCGTCGTGCGT	CGTCGTGCGT	GTCGGGCCCCG
55	130201	GCCGGCGCGG	AGGCGGGCGC	GGCGCTCAGG	CGCCCCAGGG	CGGCGAGCAC	CCCCCGGGCG
	130261	CCGTAGCCGG	CGGGCACCGC	GGCGCTGTG	GGCGGCCAGC	CGGCCGCCGA	CGGCAACGGG
	130321	CGGGCGGGCGG	CGGGGGCTT	CCCCGGGGCG	TCGTCGCCGT	CGTGGCGGTT	GGCGTCGCCG
	130381	CCGTCGTGCG	GGGTTCCGCG	CCCCGTCAGC	GCGCGTCT	CGCGCGCCAG	CAGGGGCGCG
	130441	TAGGCGCGGC	GCAGGCTGGT	CAGCAGGAAG	CCCTCTGCG	CGCGGTCGTA	CGGGCGGCC

	130501	ATGGCCACGG	CGGCCGCCAC	GTGCGCCAGG	CCCCAGCCGA	AGCGGCCCGC	CGCCATGGCG
	130561	TACCCCAGGT	GGGGCACGGC	CCGCGCCACG	CTGCCGGAGA	TGAAGGAGCT	GCTGTTGCGC
	130621	GCCGCGCCCG	AGATCCGGAA	GCAGGCCCTGG	TCCAGCGCCA	CGTCCCCGGG	CGCCACCGCG
	130681	GGGTTCTGGA	GCCACCCCAT	CGCCTCCGCG	TCCGGCGTGT	ACAGCAGCCG	CGTGATCAGG
5	130741	GCGTACTGCT	CGGCCGCGTC	GCCCAGCTCG	GGCGCCCACA	CGGGCGCCGG	GGCGCCCGAG
	130801	GCCTCGAAC	GGGCCCCGCG	CTCCTCCGCC	TCGGGCGCCC	CCCAGAGGCC	GGGGCGGCTG
	130861	TCGCCAGCC	CGCCGTACAG	CACCGCCTCCC	GGGGGGCGGGG	GGCCGGCCCC	GGGCCACGGC
	130921	TCCCCGCTGA	CGTACCCGTC	GCGGTAGCGC	GCGTAGAAAGG	CGCCGGAGGC	CGCGTCGGCG
	130981	TCCAGCTCGA	CCCGCCCCGGG	CCGCCCGGCC	GTGAAGCGGC	CCGTGGCGTC	GCGGCCGGCC
10	131041	ACCGCCGCGC	GGGCCCCGGG	GGCCTCCAGG	CGGCCCGCGG	TCGCGCGGG	GGTCCGGGCC
	131101	GGGGCGGGCT	CGGCCCTGGG	CGGGCTCGGC	CGGGCGCCCG	CCCCCGGGG	CCTCGCGGGC
	131161	ACCCCCGCGCT	CCTCGTCGTC	CGCGCCGAGG	GTCCCGCCCG	CGGCCTGGTC	TGCGGCGCTG
	131221	CGGGGGCGC	GGGCGGGCGTC	GTCGTCGTCG	TCGTCGTCAG	ACGAGGAGGC	GGATGCAGAC
	131281	GAGGAGGAGG	AGGCGGAGGA	GGAGGCGGAG	GACGCCGACG	ACGAGGATCC	GGATTTTGAT
15	131341	GAGTCAGAGG	CGGCCGAGCG	CCGGCGGGGGG	GCGGCCGCGC	GGCGGTGGTG	GTGGTGGTGG
	131401	TGGTGTGCGGC	GGGGCGCCGG	GGGTGCGCGGC	GACAGGCTGG	CCATGGGTC	CGGGTACGCC
	131461	CCGCGGACCG	CGGACGTCGT	CTCCGGTCCG	CGGACCCAGC	GGCCCGCGTC	GCGGTCGTCC
	131521	TCATCGTCGT	CGTCGTCGTC	GTCGTCGTTG	TCCTCGCCAT	AATCGGCCG	CATGGAGGGG
	131581	GTCCGCGCG	GAGAAGCGA	GCGGGCGCGT	TCTTCTTGC	CGCCGTCGCG	CTCCGGGGGG
20	131641	GGCGACGGGA	TCGTGCGAAC	GGCCTCGTC	ACCATCGAGG	CCAGCAGGGC	CAGCTGCCGC
	131701	GGCGAGACGA	CGCCGTCGCG	GGCAGGCTCG	TCGACGGCCT	CCCCGGACGC	GGGGGCCGCG
	131761	TCGTCGGCAT	CGGCATCGGC	GGCGGCGTC	TCGGGCTCGT	CTTCGTTCTC	CTCCGGCCCA
	131821	CCGTGCCACC	CGAACCCGGG	CGCGCGGGCG	GGGCGACGGT	CGGGGTTCGG	GGTGGGCGGC
	131881	GGTCGCGTCG	CTGGATCCGG	AGATCCGGGG	CCGCCGGTCG	TCTCCGCGC	GGCCCGGGAGA
25	131941	CGTCCCCCGT	CCTCGTCGCG	CATCGCGACC	TCGGGCCCCG	GGCCCTGCGT	CGTCGTCGTC
	132001	GTCTTCTTCT	TCTTCCGCTG	CTCCGCGAC	ATCGCCTCCG	ACCGGGGTGT	GCGGGGGGGG
	132061	GGTCTTCTTC	TTCTTCTTCA	GGGGCGGGCAG	TGGGGGGGGG	TGGTTGGCAG	TCTCTCTCCC
	132121	CCCCGTGCGG	TGCGTGCCTG	TGCCCTGTGTC	TTTTCGCCTC	TCCGCGCCGA	TCGGGTAGAT
	132181	CCTGGCGGCC	GCGTCGGTAG	CCCGCGCTCCG	TGTGGACGAT	CGCCCCGTCG	CCTGGCTGAT
30	132241	ATAGTCCTCG	GGGCGCGCGG	GGCGGGGGGA	AAGGAGGAGG	ACGCGGAGGA	GGAGCGATCG
	132301	ACGCCGCCGC	CCCCCGGCTC	GCCGGGGTTC	CGCCCCCAGG	TGGAACCGCA	TTATGCGCGG
	132361	CCCCGCCCCG	ACGCCCGCGC	GTCCGCGTC	GTGGCGCGG	CCCGTTGGTC	GCGCCGCCGC
	132421	CGCTCCGCC	GCGCGGCATC	TCATTAGCGC	CCGGCGCGGG	CGGCTTCCGC	TTCCGCCCGC
	132481	GATGCTAATG	AGACCCCTCGT	CGCGGGCGGG	CTCGCTCCCC	TGCCCTTCCG	GGTTCTGGT
35	132541	AATGAGATGC	CGGCCCCCGC	CTCCCCTGTTG	CCCCCGCCGG	CCCCAAAGGG	GCCGGCGAGG
	132601	TCGCCCGCGT	GGTCCGCGGG	CGGCTCCG	CCAAAGGGGG	GGGGGCCGCA	GGGTAAAAGA
	132661	AGTGAGAACG	CGAAGCGTTC	GCACCTCGTC	CTAATAGTAT	ATATATTATT	AGGGCAAAGT
	132721	GCGAGCGCTG	GCGCCCTGCC	CGGGGCCCCG	GTCATCCC	GCTCCGCC	AAAGGGGGCG
	132781	GGGCCGCAGG	GTAAAAGAAG	TGAGAACGCG	AAGCGTTCGC	ACTTCGTCCT	AATAGTATAT
40	132841	ATATTATTAG	GGCAAAGTGC	GAGCACTGGC	GCCCTGCC	GGGCCCGCGT	CATCCCGCGG
	132901	GCTCCGCC	GAGGCGGGCC	CGGACGGGGG	GGGGGCCGTT	CCTCGCGCAC	ATAAAGGGCC
	132961	GGCGTCCCGG	TCGCCGCC	ACCAGGGGCA	CACCGGCTGC	GGGGCGGGAGA	CCGGGACGGC
	133021	AGCGGCGGCA	TCGCGAAGGG	GGCCACAGCG	AGACAGAGAC	GCCGGCGGGC	AGCAGGGGCAC
	133081	CGACGCACCC	GGATCGGATC	GGATACAGAG	ACGCGGGCGC	ATCGGTTCT	TTTCGTTCTG
45	133141	CCTTCCCTC	CCCCCC	CCCCCC	TGTACGTACC	CGGAGGACCC	ATCCACCCAC
	133201	TGCAGCTTA	TCGCAGGTAC	GGTACCCGG	GGGGCCGGCC	GGGGGGACGG	GGGGGGGACGG
	133261	GGGGGACGGG	CGGGGGGGAC	GGGCGGGGGG	GACGGGCGG	GGGGACGGG	GGGGGGGACGG
	133321	GGCCGGGGGG	ACGGGCGGG	GGGACGGGGC	GGGGGGACGG	GCCGGGGGGA	GGGGCCGGGG
	133381	GGCCGGGGGG	CGGGGGGGCC	GGGGGGCCGG	GGGGACGGGG	GGACGGGGGG	ACGGGGGGAC
50	133441	GGGGGGACGG	GGGGACGGGG	GGACGGGGGG	ACGGGGGGAC	GGGGGGACGG	GGGGACGGGG
	133501	GGACGGGGGG	ACGGGGGGAC	GGGGGGACGG	GGGGACGGGG	GGACGGGGCG	GGGGACGGGG
	133561	GGGACGGGGC	GGGGGGACGG	GGGGACGGGC	GGGGGGGACG	GGGGGGACGG	GGGGGGGGAC
	133621	GGGGGGACGG	GCCGGGGGGA	CGGGGCCCCG	ATCCCAACAT	CCGCGTTTC	TCGCAGGCC
	133681	GGCGCCGCCT	TCGTGGACGG	GACACGGGTG	TGGTAACCTGG	CGACAAGGCG	TTGCCACTAT
55	133741	GGCAGACATC	CCCCCGGACC	CGCCCGCGCT	CAACACGACG	CCTGCGAATC	ATGCTCCCCC
	133801	ATCCCCCACCC	CCGGGTTAC	GGAAAGCGCAG	ACGCCCCGTC	CTCCCCAGCT	CGTGGAAATC
	133861	TGAGGGTAAG	CCCGACACAG	AATCGGAATC	CTCCTCGACC	GAGTCGTCCG	AGGATGAGGC
	133921	GGGAGACCTA	CGCGGGGGC	GCCGTCGCTC	CCCAGGGGAG	CTCGGGGGGA	GGTATTTTTT
	133981	GGATCTGCG	GCAGAATCGA	CCACGGGGAC	GGAAATCGGAG	GGAACGGGGC	CGTCGGACGA

	13 4 041	CGATGATGAT	GATGCGTCAG	ACGGCTGGTT	GGTTGACACA	CCCCCCCAGCA	AATCCAAGCG
	13 4 101	ACCCCGAATC	AACCTGCGAT	TAACGAGCTC	CCCCGACCGG	CGTGCAGGTG	TGGTTTCCC
	13 4 161	CGAGGGTGTGG	AGAAGCGACA	GACCTATCCG	CGCGGCGCAA	CCCCAGGCC	CGGCCAGTCT
5	13 4 221	TCCGGGGATC	GCACACGCGC	ACCGCGCTC	TGCTCGCCAG	GCCCAGATGC	GGAGCGGAGC
	13 4 281	CGCCTGGACG	CTTGATCTGC	ATTACATACG	CCAGTGCAGTC	AACCAGCTCT	TTCGGATCCT
	13 4 341	GCGTGCAGCC	CCGAACCCGC	CCGGCAGCGC	CAACCGCCTG	CGCCACCTGG	TGCGAGACTG
	13 4 401	CTACCTCATG	GGCTACTGCC	GGACCCGCCT	GGGGCCGCGC	ACGTGGGGCC	GCCTGCTGCA
	13 4 461	GATCTCGGGC	GGAACCTGGG	ACGTGCAGCT	GCAGAACGCA	ATCCGGGAGG	TCGAGGCAGCA
10	13 4 521	TTTTGAACCC	GCCGCGGAGC	CCGTGTGCGA	GCTGCCCTGT	CTGAACGCCA	GGCGTTACGG
	13 4 581	CCCCGAGTGT	GATGTTGGCA	ATCTCGAGAC	CAACGGCGGC	TCGACGAGCG	ATGATGAGAT
	13 4 641	ATCGGATGCG	ACGGACTCGG	ACGATAACCT	CGCGTCCCCT	TCCGACACGG	AGGGGGGGCC
	13 4 701	CTCCCCGGCC	GGCCGGGAGA	ACCCGGAATC	CGCGTCCGGC	GGGGCTATCG	CGGCTCGGCT
	13 4 761	GGAGTGTGAG	TTTGGGACGT	TTGACTGGAC	GTCCGAGGAG	GGCTCCCAGC	CCTGGCTGTC
15	13 4 821	CGCGGTGGTC	GCCGATACCA	GCTCCGCCGA	ACGCTCTGGC	CTACCCGCC	CGGGCGCGTG
	13 4 881	TCGCGCAACG	GAAGCCCCAG	AACGCGAGGA	CGGGTGCCGA	AAAATGCGCT	TCCCCGCCGC
	13 4 941	CTGCCCCTAT	CCCTGCGGCC	ACACATTCT	CCGGCCATGA	GCGCGGGACC	CCCAGCCCCG
	13 5 001	TGTGTTGCC	AAACGAAAAA	TAAACGCCCT	ACAAGAAAGC	TTTGTTGCT	GAGTGTCTGG
	13 5 061	TTTTCTGGG	GGTGGAGGAA	GGAACGACAA	AAAAAAAGAAA	CAAACGCGAC	ACCGCTCGTA
	13 5 121	CGTGTAAATGG	GGCCGCACTG	TTTTTTATTA	GCATCGGGGG	GGGTTAGAGG	TTGGTGTATTG
20	13 5 181	GATAGCAAAC	GTGGGATGAC	GGAGGCCACT	CGTCGCCAAC	GGCCAGCGGG	GGCCCGGGGT
	13 5 241	TCTGGGGGTC	ATCGTCCCCC	GTCTGCCAGG	AGGGCTCATC	GGGAATCTCG	GGTCGCCCCA
	13 5 301	TGCACGTAAA	ACACGGCGC	TGCGTGGGGT	GGGTCGCCGG	ATGCGGGCGG	GATGATGCGG
	13 5 361	GGCGGGGTTT	GGTGTGAGGA	GCCACGAGGG	ACCGTAGCCA	GCGAAGACAG	CTGCGTTCCC
	13 5 421	GGTCGCCGGG	CACCAACACG	CCGTATTGGT	ATTCTGATCG	GCTAAGGAGA	TTTCCAGGG
25	13 5 481	GGTGATTAGG	CGCTGCCGGG	AAACGGGTCC	ACGACACGGT	CCGCTCGGGC	AAAAACCGAT
	13 5 541	CGGGCAGGGG	CCACGGTTCC	CCCACCCACG	CGTCGTTGGT	CTTCGTGGCG	ATGAAGCGAA
	13 5 601	ACCCAGGCCG	GGTTTTTGT	GCCTACTCGA	AAAACGGCAC	ACACAGGTCC	GCCGCCCGA
	13 5 661	CCACCCACAG	GTGGTATAGC	CGGTGGGGGC	CGGGGCGCTC	TTGATGCGAGG	AGCCGAAAAC
	13 5 721	ACGCAGGGGC	ATCCAGAAC	TCGATGCTTT	CCAGGGGTC	GTCCTCCGCA	AACAGGCCCG
30	13 5 781	TCGTGGTGT	GGGGGACAG	CGACAGGAGC	GGGTCGCAC	GATCGGTCGG	GTGAATTG
	13 5 841	GCAAGTCCAT	CAGAGGCTCG	GCCAGCCTGC	GAAGGTTCGC	CGGGCGAAC	ACCACCGGGG
	13 5 901	TTCCCAAGAGG	CTCGGAGGCC	AGGATCCGGC	ATTGCCGAAG	CAGAAAAC	CACAGAGCCG
	13 5 961	GGCTGCGTC	AGCGGAAGTC	CGCGGCAGGG	CGTTTCGTTG	GTCTAGGAGG	GTAACCACAC
	13 6 021	TTACAAACAA	AACGCCCATG	TCGGTATATT	AGGCCCGTGG	TCCGATCTTC	ACTCACTCGC
35	13 6 081	CTGCTCTGCCG	ACCTATGCA	GGCGGGACGG	CGCGCGGACC	CGGGGGGCT	GCTTGCTATC
	13 6 141	ACACGGCCCG	TTCGCACGTT	CGATTTTTTC	AGCCTTGT	GGTTGGCTAG	GTATCCCGGA
	13 6 201	TAATCTGACG	TTCCGGATAT	AGGGGGCGGG	GGGTAGTGGG	GGGTGTGTCG	ACAAACTGCC
	13 6 261	GCTTCTTAAA	ACACCGGGGC	CCGTGCGCTC	GGGTGCTCGT	TGGTTGGCAC	GCGCGACGCG
	13 6 321	GCAAATGGCC	TGTCGTAAGT	TCTGTGGGGT	CTACCGTAGA	CCCGACAAGA	GACAGGAGGC
40	13 6 381	GTCCGTCCCCG	CCGGAGACAA	ACACGGCCCC	GGCCTTCCCG	GCGAGCACCT	TTTATACCCC
	13 6 441	CGCGGAGGAT	GCGTACCTGG	CCCCCGGGCC	CCCGGAAACCC	ATCCACCTT	CCCGCCCA
	13 6 501	GTCCCCCGGC	GAGGCTGCGC	GCCCTGTGTC	GCTGAGGAG	ATCTTGGCCC	AGATGACAG
	13 6 561	CGACGAGGAC	TACCCCATCG	TGGACGCCGC	GGGTGCGGAG	GAGGAAGACG	AGGCCGACGA
	13 6 621	TGACGCCCG	GATGACGTGG	CCTACCCGGG	GGACTACGCG	GAGGGCGTT	TTCTGTCAT
45	13 6 681	GGTTTCGGCC	GCCCCCTGC	CCGGAGCCAG	CGGCCATCCT	CCTGTTCCGG	GCCGCGCAGC
	13 6 741	CCCCCCCAGC	GTCCGGACCT	GCGACACGGG	TAAGGTGGGG	GCCACGGGGT	TCACCCCGGA
	13 6 801	AGAGCTCGAC	ACCATGGACC	GGGAGGCACT	TCGGGCCATC	AGCCGCGGGT	GCAAGCCCC
	13 6 861	TTCGACCCCTG	GCAAAACTGG	TGACCGGGCT	GGGATTGCGC	ATCCACGGAG	CGCTCATCCC
	13 6 921	GGGGTCGGAG	GGGTGTGTCT	TTGATAGCAG	CCACCCGAAC	TACCCCTCATC	GGGTAATCGT
50	13 6 981	CAAGGGGGGG	TGGTACGCCA	GCACGAGCCA	CGAGGGCGGG	CTGCTGAGAC	GCCTGAACCA
	13 7 041	CCCCCGCATC	CTACCCCTCC	TGGACCTGCA	CGTCGTTCT	GGGGTCACGT	GTCTGGTCCT
	13 7 101	CCCCAAAGTAT	CACTGCGACC	TGTATACCTA	TCTGAGCAAG	CGCCCCTCTC	CGTTGGGCCA
	13 7 161	CCTACAGATA	ACCGCGGTCT	CCCGGCAGCT	CTTGAGCGCC	ATCGACTACG	TCCACTGCAA
	13 7 221	AGGCATCATC	CACCGCGATA	TTAAGACCGA	GAACATCTTC	ATCAACACCC	CCGAGAACAT
55	13 7 281	CTGCTCTGGGG	GACTTTGGGG	CGGCAGCGCTT	TGTGCGCGGG	TGTCGATCGA	GCCCCCTCCA
	13 7 341	TTACGGGATC	GCAGGCACCA	TCGATACAAA	CGCCCCCGAG	GTCCTGGCCG	GGGATCCGTA
	13 7 401	CACCCAGGTA	ATCGACATCT	GGAGCGCCGG	CCTGGTGTAC	TTTGAGACCG	CCGTCCACAC
	13 7 461	CGCGTCCTTG	TTCTCGGCC	CGCGCGACCC	CGAAAGGCGG	CCGTGCGACA	ACCAGATCGC
	13 7 521	GCGCATCATC	CGACAGGCC	AGGTACACGT	CGACCGAGTT	CCGACGCACG	CGGAATCGCG

	137581	CCTCACCGCG	CACTACCGCT	CGCGGGCGGC	CGGGAAACAAT	CGTCCGGCGT	GGACCCGACC
	137641	GGCGTGGACC	CGCTACTACA	AGATCCACAC	AGACGTCGAA	TATCTCATAT	GCAAAGCCCT
	137701	TACCTTGAC	GC GGCGCTCC	GCCCAGCGC	CGCGGAGTTG	CTGCGCTGC	CGCTATTCA
	137761	CCCTAAGTGA	CCCCGCTCCC	CCCGGGGGGC	GTGGAGGGGG	GGGCTGGTTG	GATGTTTTG
5	137821	CACAAAAAGA	CGCGGCCCTC	GGGCTTTGGT	GTTTTGGCA	CCTTGCCGCC	CGGCGTCATG
	137881	CACGCCATCG	CTCCCAGGTT	GCTTCTTCTT	TTTGTTCCTT	CTGGTCTTCC	GGGGACACGC
	137941	GGCGGGTCGG	GTGTCCCCTG	ACCAATTAAAT	CCCCCCAACA	GCGATGTTGT	TTTCCCGGGGA
	138001	GGTTCCCCCG	TGGCTCAATA	TTGTTATGCC	TATCCCCGGT	TGGACGATCC	CGGGCCCTTG
10	138061	GGTTCCGCGG	ACGCCGGCG	GCAAGACCTG	CCCCGGCGCG	TCGTCCGTCA	CGAGCCCTG
	138121	GGCGCCTCGT	TCCTCACCGG	GGGGCTGGTT	TTGCTGGCGC	CGCCGGTACG	CGGATTGGC
	138181	GCACCCAACG	CAACGTATGC	GGCCCGTGTG	ACGTACTACC	GGCTCACCCG	CGCCTGCCGT
	138241	CAGCCCATCC	TCCTTCGGCA	GTATGGAGGG	TGTCCGGCGC	GCGAGCCGCC	GTCCCCAAAG
	138301	ACGTGCGGGT	CGTACACGTA	CACGTACCGAG	GGCGGCGGGC	CTCCGACCCG	GTACGCTCTC
15	138361	GTAAATGCTT	CCCTGCTGGT	GCCGATCTGG	GACCGCGCCCG	CGGAGACATT	CGAGTACCAAG
	138421	ATCGAACTCG	GCGCGAGCT	GCACGTGGGT	CTGTTGTGGG	TAGAGGGGG	CGGGGAGGGC
	138481	CCCGGCCCCA	CCGCCCCCCC	ACAGGCGGCC	CGTGGGGAGG	GCGGCCCGTG	CGTCCCCCCC
	138541	GTCCCCCGCG	GCGCCCGTG	GCGCTCGGTG	CCCCCGGTAT	GGTATTCCGC	CCCCAACCCC
	138601	GGGTTTCGTG	GCCTGCGTTT	CCGGGAGCGC	TGTCTGCC	CACAGACGCC	CGCCGCC
20	138661	AGCGACCTAC	CACGCGTCGC	TTTGCTCCC	CAGAGCCTGC	TGGTGGGGAT	TACGGGCC
	138721	ACGTTTATTG	GGATGGCACG	ACCCACGGAA	GACGTGGGG	TCCTGCCGCC	CCATTGGGCC
	138781	CCCGGGGCCC	TAGATGACGG	TCCGTACGCC	CCCTTCCCAC	CCCGCCCGCG	GTTCGACGC
	138841	GCCCTGCGGA	CAGACCCCGA	GGGGGTCGAC	CCCGACGTT	GGGCCCCCG	AACCGGGCGG
	138901	CGCCTCATGG	CCTGACCGA	GGACACGTCC	TCCGATTGCG	CTACGTCGC	TCCGGAGAAG
25	138961	ACGCCCTCC	CTGTGTCGGC	CACCGCCATG	GCACCCCTAG	TCGACCCAAAG	CGCGAACCG
	139021	ACCGCCCCCG	CAACCACTAC	TCCCCCGGAC	GAGATGGCA	CACAAGCCGC	AACGGTCGCC
	139081	GTTACGCCGG	AGGAAACGGC	AGTCGCTCC	CCGCCCCGGA	CTGCATCCGT	GGAGTCGTG
	139141	CCACTCCCCG	CCGCGGGCGC	GGCAACGCC	GGGGCCGGGC	ACACGAACAC	CAGCAGGCC
	139201	TCCCGAGCGA	AAACGCCCC	CACCAACCCA	GCCCCCACGA	CCCCCCCCG	CACGTCTACC
30	139261	CACCGGACCC	CCCGCCCCAC	GACTCCGGGG	CCCCAAACAA	CCCCCTCCGG	ACCCGCAACC
	139321	CCGGGTCCGG	TGGGCGCTC	CGCCGCGCCC	ACGGCCGATT	CCCCCTCAC	CGCCTCGCCC
	139381	CCCCTAACCG	CGCCGGGGCC	CTCGGCCG	AACGTTTCGG	TCGCGCGAC	CACGCCACG
	139441	CCCGGAACCC	GGGGCACCGC	CCGTACCCCC	CCAACGGACC	CAAAGACGCA	CCCACACGGA
	139501	CCCGCGGACG	CTCCCCCGG	CTCGCCAGCC	CCCCCACCCC	CGGAACATCG	CGGGGACCC
35	139561	GAGGAGTTG	AGGGCGCCGG	GGACGGCGAA	CCCCCGAGG	ACGACGACAG	CGCCACCGGC
	139621	CTCGCTTCC	GAACCTCGAA	CCCCAACAAA	CCACCCCCCG	CGCGCCCCGG	GCCCATCCGC
	139681	CCCACGCTCC	CGCCAGGAAT	TCTTGGGCCG	CTCGCCCCCA	ACACGCTCG	CCCCCCC
	139741	CAAGCTCCG	CTAAGGACAT	GCCCTCGGGC	CCCACACCCC	AACACATCCC	CCTGTTCTGG
	139801	TTCCTAACGG	CCTCCCCCTGC	TCTAGATATC	CTCTTTATCA	TCAGCACCAC	CATCCACACG
	139861	GGGGCGTTG	TTTGTCTGGT	CGCCTTGGCA	GCACAACTT	GGCGCGGGCCG	GGGGGGCGC
40	139921	AGGGGATAACG	CGCACCCGAG	CGTGCCTTAC	GTATGTCCTGC	CACCCGAGCG	GGATTAGGGG
	139981	GTGGGGGTGG	GGGGCGAGAA	ACGATGAAGG	ACGGAAAGG	GAACAGCGAC	CAAATGTCAC
	140041	GATAAGAAC	ATAAACCTGT	GACGTCAATC	AGATATGTGA	GTTTGGTTGT	GTTTGTGGG
	140101	ACTGGGGCG	GGGGGTGGGA	GGTATCAGTG	GGTGACAGAG	TCTTTAAAAA	GACGTGTC
	140161	GGGGCCCTCG	AGATCGCAA	CTTTTGGCCA	CACAGAGAAA	GGCCCCCAGA	CGAAGTCACC
45	140221	CGGGTCCCCG	AAACAAAACA	AAAACCTTG	CCGCGCCCGG	GGGGCGTGC	TGTTGTTTTG
	140281	GTCTCAATGG	ATCGGTATGC	CGTTCGGACC	TGGGGGATTG	TGGGAATCCT	CGGGGTGCT
	140341	GCTGTTGGGG	CCGCACCCAC	CGGCCCCGCG	TCCGATACAA	CAAACGCGAC	CGCACGCC
	140401	CCCACCGACC	CCCCACTCAT	CCGTTCCGGG	GGCTTGGCG	TCCCCCTCAT	CGTGGGGGG
	140461	CTGTGTCTCA	TGATTCTGGG	GATGGCGTGT	CTACTCGAGG	TCCTGCGTCG	CCTGGGTGCG
50	140521	GAGTTGGCGA	GGTGTGCCCC	CCACGCGGGC	CAATTGCCC	CATGATT	CGCCTTCTG
	140581	GCCTTGCCCC	CACCCCATCG	CCCCGATTGT	GTGTCGGGTG	CCCGGGGTAC	AGCAGCTATG
	140641	GAGCGGTGCG	TAATATAACT	TTGTTGTCG	CCACACGCC	CGTCCCCGGC	ATGGGTTG
	140701	CGGGAAGGAC	GAAATAATCC	GGCGATCCCC	AAGCGTACCA	ACTGGGGGG	GGGGGGGGGG
	140761	GGAAAAGAAA	CTAAAAAACAC	ATCAAGCCCCA	CAACCCATCC	CACAATGGGG	GTTATGGCG
55	140821	ACCCACCGCA	CCACCATACT	CCGATTGCGAC	CACATATGCA	ACCAAATCAC	CCCCAGAGGG
	140881	GAGGTTCCAT	TTTTACGAGG	AGGAGGAGTA	TAATAGAGTC	TTTGTGTTA	AAACCCGGGG
	140941	TCGGTGTGGT	GTTCGGTCA	AAGCTGCATT	GCGAACGACT	AGTCGCCGTT	TTTCGTGTG
	141001	ATCGCGTATC	ACGGCATGGG	GGCTTGTGACC	TCCGGCGTCG	GGACGGCGGC	CCTGCTAGTT
	141061	GTGCGGGTGG	GACTCCCGGT	CGTCTGCGCC	AAATACGCCT	TAGCAGACCC	CTCGCTTAAG

	141121	ATGGCCGATC	CCAATCGATT	TCGCAGGAAG	AACCTTCCGG	TTTTGGACCA	GCTGACCGAC
	141181	CCCCCCGGGG	TGAAGCGTGT	TTACCACATT	CAGCCGAGCC	TGGAGGACCC	GTTCAGGCC
	141241	CCCAGCATCC	CGATCACTGT	GTACTACGCA	GTGCTGGAAC	GTGCCTGCCG	CAGCGTGCTC
	141301	CTACATGCC	CATCGGAGGC	CCCCCAGATC	GTGCGCGGGG	CTTCGGACGA	GGCCCGAAAG
5	141361	CACACGTACA	ACCTGACCAC	CGCCTGGTAT	CGCATGGGAG	ACAATTGCGC	TATCCCCATC
	141421	ACGGTTATGG	AATAACCCGA	GTGCCCCCTAC	AACAAGTCGT	TGGGGGTCTG	CCCCATCCGA
	141481	ACGCAGCCCC	GCTGGAGCTA	CTATGACAGC	TTTAGCGCCG	TCAGCGAGGA	TAACCTGGGA
	141541	TTCCTGATGC	ACGCCCCCGC	CTTCGAGACC	GCGGGTACGT	ACCTGCGGCT	AGTGAAGATA
10	141601	AACGAATGGA	CGGAGATCAC	ACAATTATC	CTGGAGCACC	GGGCCCCGCG	CTCCTGCAAG
	141661	TACGCTCTCC	CCCTGCGCAT	CCCCCCGGCA	GCGTGCCTCA	CCTCGAAGGC	CTACCAAACAG
	141721	GGCGTGACGG	TCGACAGCAT	CGGGATGCTA	CCCCCGTTA	TCCCCGAAAA	CCAGCGCACC
	141781	GTCGCCCTAT	ACAGCTTAAA	AATCGCCGGG	TGGCACGGCC	CCAAGCCCCC	GTACACCCAGC
	141841	ACCCGTCTGC	CGCCGGAGCT	GTCCGACACC	ACCAACGCCA	CGCAACCCGA	ACTCGTTCCG
15	141901	GAAGACCCCC	AGGACTCGGC	CCTCTTAGAG	GATCCCACCG	GGACGGTGT	TTCGCAGATC
	141961	CCCCCAAAC	GGCACATCCC	GTCGATCCAG	GACGTGCGC	CGCACACCG	CCCCGCCGCG
	142021	CCCAGCAACC	CGGGCCTGAT	CATCGGCGCG	CTGGCCGGCA	GTACCCCTGGC	GGTGCTGGTC
	142081	ATCGGCGGTA	TTGCGTTTTG	GGTACGCCGC	CGCGCTCAGA	TGGCCCCCAA	GCGCCTACGT
	142141	CTCCCCCACA	TCCGGGATGA	CGACGCGCC	CCCTCGCACC	AGCCATTGTT	TTACTAGAGG
20	142201	AGTTTCCCCG	CTCCCGTGT	CCTCTGGGC	CGTGTGGGAG	GGTGGCTGGG	GTATTTGGGT
	142261	GGGACTTGGA	CTCCGCATAA	AGGGAGTCTC	GAAGGAGGGGA	AACTAGGACA	GTTCATAGGC
	142321	CGGGAGCGTG	GGGCGCCGAC	CGCTGTCCCG	ACGATTAGCC	ACCGCGCCCA	CAGCCACCTC
	142381	GACCCGTCCG	ATCCCGGTAT	GCCCACCGCG	TCGCTGCAGG	GCCTGGCGAT	CCTGGGCCTG
	142441	TGGGTCTGCG	CCACCGGCCT	GGTCGTCCGC	GGCCCCACGG	TCAGTCTGGT	CTCAGACTCA
25	142501	CTCGTGGATG	CGGGGGCCGT	GGGGCCCCAG	GGCTTCGTGG	AAGAGGACCT	GCGTGTTC
	142561	GGGGAGCTTC	ATTTTGTGGG	GGCCCCAGGT	CCCCATACAA	ACTACTACGA	CGGCATCATC
	142621	GAGCTGTTTC	ACTACCCCC	GGGGAACCAC	TGCCCCCGCG	TTGTACACGT	GGTCACACTG
	142681	ACCGCATGCC	CCCGCCGCC	CGCCGTGGCG	TTCACCTTGT	GTCGCTCGAC	GCACCAACGCC
	142741	CACAGCCCCG	CCTATCCGAC	CCTGGAGCTG	GGTCTGGCGC	GGCAGCCGCT	TCTGCGGGTT
30	142801	CGAACGGCAA	CGCGCGACTA	TGCCGGTCTG	TATGTCCTGC	GCGTATGGGT	CGGCAGCGCG
	142861	ACGAACGCCA	GCCGGTTTGT	TTTGGGGGTG	GCGCTCTCTG	CCAACGGGAC	GTTGTGTAT
	142921	AACGGCTCGG	ACTACGGCTC	CTGCGATCCG	GCGCAGCTTC	CCTTTTCCGGC	CCCGCGCCTG
	142981	GGACCCCTCGA	GCGTATACAC	CCCCGGAGCC	TCCCACCCCA	CCCCCTCCACG	GACAAACGACA
	143041	CCCCCGTCCT	CCCCCCGAGA	CCCGACCCCC	GCCCCCGGGG	ACACAGGGAC	CCCCCGCGCC
35	143101	GCGAGCGGCG	AGATAGCCCC	GCCCAATTCC	ACGCGATCGG	CCAGCGAATC	GAGACACAGG
	143161	CTAACCGTAG	CCCAGGTAA	CCAGATCGCC	ATACCGCGT	CCATCATCGC	CTTTGTGTTT
	143221	CTGGCAGCT	GTATCTGCTT	CATCCATAGA	TGCCAGCGCC	GATACAGGCG	CCCCCGCGGC
	143281	CAGATTTACA	ACCCCAGGGG	CGTTTCTCTG	GCGGTCAACG	AGGCGGCCAT	GGCCCCGCTC
	143341	GGAGCCGAGC	TGCGATCCC	CCCAAACACC	CCCCCCAAAC	CCCGACGCCG	TTCGTCGTG
40	143401	TCCACGACCA	TGCCTTCCCT	AACGTCGATA	GCTGAGGAAT	CGGAGCCAGG	TCCAGTCGTG
	143461	CTGCTGTCCG	TCAGTCCTCG	GCCCCCGCAGT	GGCCCCACGG	CCCCCCAAAGA	GGTCTAGGTC
	143521	CAAGCGGGCC	GTTCGGCAGG	CCCGCCCCAC	CGCCCCCCATC	GTGGTTATTT	CCCCCCCCCC
	143581	CCCCCCAATA	AACCGATGTT	ATTTCGCTAT	ATGCGTGTGT	TGGATCCCTT	TGTGATCGTT
	143641	CGTCATTCCC	CGGATGGCAT	GGGAGGCGGG	TAATGGATGG	CGGGGGCCCG	GGGGGAGGAA
45	143701	AAAGAATAAA	GGGGGTAGTG	TCGGAGAGGC	CCGCCGCGCA	TTTAAGGAGT	CGCCGCCCCG
	143761	ACTCTGTGTC	TTCGGGTGAC	TTGGTGCGCC	GCGTCAGCT	AGTCTCCGAT	CTGCCCCGAC
	143821	CGACGGCTCC	TGCCACCGA	ACATGGCTG	CGGGGCCGGG	TTGGTGT	TTGTTGGAGT
	143881	TTGGGTGTA	TCGTGCCTGG	CGGCAGCACC	CAGAACGTCC	TGGAAACGGG	TAACCTCGGG
	143941	CGAGGACGTG	GTGTTGCTTC	CGGCCGCCGC	GGAACGCACC	CGGGCCCCACA	AACTACTGTG
50	144001	GGCCCGGGAA	CCCCTGGATG	CCTGCGGTCC	CCTGCGCCCG	TCGTGGGTGG	CGCTGTGGCC
	144061	CCCCCGACGG	GTGCTCGAGA	CGGTCGTGGA	TGCGGCCTGC	ATGCGCGCCC	CGGAACCGCT
	144121	CGCCATAGCA	TACAGTCCCC	CGTCCCCCGC	GGGCGACGAG	GGACTGTATT	CGGAGTTGGC
	144181	GTGGCGCGAT	CGCGTAGCCG	TGGTCAACGA	GAGTCTGGTC	ATCTACGGGG	CCCTGGAGAC
	144241	GGACAGCGGT	CTGTACACCC	TGTCGGTGGT	CGGCCTAACGC	GACGAGGGCG	GCCAAGTGGC
	144301	GTCGGTGGTT	CTGGTCTGG	AGCCCGCCCC	TGTGCCGACC	CCGACCCCCG	ACGACTACGA
55	144361	CGAAGAAGAC	GACGCGGGCG	TGACGAACGC	ACGCCGGTCA	GCGTCCCCC	CCCAACCCCC
	144421	CCCCCGTCGT	CCCCCCGTG	CCCCCCCCGAC	GCACCCCTGT	GTATCCCCG	AGGTGTCCCA
	144481	CGTGCAGCGGG	GTAAACGGTCC	ATATGGAGAC	CCTGGAGGCC	ATTCTGTTTG	CCCCCGGGGA
	144541	GACGTTGGG	ACGAACGTCT	CCATCCACGC	CATTGCCAC	GACGACGGTC	CGTACGCCAT
	144601	GGACGTCGTC	TGGATCGGGT	TTGACGTGCC	GTCCTCGTGC	GCCGATATGC	GGATCTACGA

	144661	AGCTTGTCTG	TATCACCCGC	AGCTTCCAGA	GTGTCTATCT	CCGGCCGACG	CGCCGTGCGC
	144721	CGTAAGTTCC	TGGGCGTACC	GCCTGGCGGT	CCGCAGCTAC	GCCGGCTGTT	CCAGGACTAC
	144781	GCCCCCGCCG	CGATGTTTG	CCGAGGCTCG	CATGGAACCG	GTCCCAGGGT	TGGCGTGGCT
	144841	GGCCTCCACC	GTCAATCTGG	AATTCCAGCA	CGCCTCCCCC	CAGCACGCCG	GCCTCTACCT
5	144901	GTGCGTGGTG	TACGTGGACG	ATCATATCCA	CGCCTGGGGC	CACATGACCA	TCAGCACCGC
	144961	GGCGCAGTAC	CGGAACGCCG	TGGTGAACA	GCACCTCCCC	CAGCGCCAGC	CCGAGCCCGT
	145021	CGAGCCCACC	CGCCCGCACG	TGAGAGCCCC	CCATCCCGCG	CCCTCCGCGC	CGGGCCCGCT
	145081	GCGCCTCGGG	GCGGTGCTGG	GGGCGGCCCT	GTTGCTGGCC	GCCCTCGGGC	TGTCGCGTGT
	145141	GGCGTGCATG	ACCTGCTGGC	GCAGGCGCTC	CTGGCGGGCG	GTTAAAAGCC	GGGCCTCGGC
10	145201	GACGGGCCCC	ACTTACATTC	CGTGGCGGA	CAGCGAGCTG	TACGCGGACT	GGAGTTCGGA
	145261	CAGCGAGGGG	GAGCGCGACG	GGTCCCTGTG	GCAGGACCCCT	CCGGAGAGAC	CCGACTCTCC
	145321	CTCCACAAAT	GGATCCGGCT	TTGAGATCTT	ATCACCAACG	GCTCCGTCTG	TATAACCCCCA
	145381	TAGCGAGGGG	CGTAAATCTC	GCCGCCCGCT	CACCACTTT	GGTTCGGGAA	GCCCGGGCCG
15	145441	TCGTCACTCC	CAGGCCTCCT	ATCCGTCCGT	CCTCTGGTAA	GGCGTCTTCC	GACGACGCGG
	145501	ACGTGGCGA	TGAACGTATT	GCCATCGCGG	ACGCACGCCG	GGACCCGCCA	GAGACCTGTC
	145561	CCCCCGGCCG	GGGCGGCCG	GCGCCCGCGT	GCCGCAGACC	ACCTCGCGG	GGCTCCCCCG
	145621	CGGCCTTTCC	CGTGGCCCTC	CACGCCGTGG	ACGCCCCCTC	CCAATTGTC	ACCTGGCTCG
	145681	CCGTGCGCTG	GCTGCGGGGG	GCGGTGGGTC	TCGGGGCCGT	CCTGTGCGGG	ATTGCGTTTT
	145741	ACGTGACGTC	AATGCCCGA	GGCGCATAAA	GGTCCGGCGG	CCACCCGCC	GCAGCTCATA
20	145801	AAAATCGTGA	GTCACGGCAA	CCCCACCTTC	GCCTCCGCCC	TCCGCCAGCG	CCCTTCCGCG
	145861	TCCCGCATG	CCTCCCGGCC	CGCCGACCAA	GACTCGGTGC	GTTCCAGCGC	GTGGTGC
	145921	CTTTACCCCC	CGGCCTCGCC	CGTCCCGGCA	GAAGCCTACT	ACTCGGAAAG	CGAAGACGAG
	145981	GCCGCAACG	ACTTCCTCGT	GCCCATGGGC	CGCCAGCAGT	CGGTCTAACG	GCGCCGACGG
	146041	CGGCGCACGC	GGTGCCTCGG	GCTGGTTATC	GCCTGCTCTG	TCGTGGCCCT	CCTATCTGGA
25	146101	GGGTCGGGG	CACTTTGGT	GTGGCTGCTC	CGCTAAATGA	CGCCTCGATG	TATGGCGCCT
	146161	TCTTCGCCCC	CACCCCTCGC	CGCGACCCAC	GTCCGTATGT	TAATTGCAAT	AAAGTGGTTG
	146221	ATTGTCATTA	CGGTCTACTA	GGTTGTCTTT	TTTTTTGGG	GGGGGGGGAG	GAAATGCAGA
	146281	AAAGGGTAAG	AAATTCTCGG	AATTTCACCC	CCGGGGGGGG	GCAAGTGCAG	TAACCCAGTT
	146341	CCTCAGTGT	TGGGAAATCT	ATTGAACCTC	CCCGGCTCCT	CCGTGTTAGG	GAAGTCTCTT
30	146401	GGGGAAATCT	ATTGACCTCT	CGCCCCCCCCC	CCCCCAGGAG	GGGGGCAGTG	CAGTACCCCCA
	146461	GTTCTCCGT	GCTGGGGAAA	TCTCTCTGCC	GGGTACGGGC	TCCAGACGAA	GGACCCATAC
	146521	ATTTCCCCAT	CCGCACCCCCA	CATCTGGCGT	TCTAGAGTCA	CGACGCATT	GCCCCCGTCC
	146581	CCGCAGCAAC	ACACAAAGCG	ATTTCACATT	TCACGATTTT	ATTATTAATT	ACACCAACCA
	146641	CCCTGTCCCC	GGGACGTGGT	CAGGACCGGG	GGTCCGCACC	CAAACGCACG	AAACAAATGC
35	146701	TGGCAGTGTG	CCGAATATAA	CCCCCGTAG	GAACACGTG	ACGCGTGC	CAAACAGCAC
	146761	CAGAAGGC	ATGCCATCAG	CAGGTGCTGC	ATATGGCGAT	GTGTTGGAC	GCAGGGCGCA
	146821	GCGCGCGA	TAAAATTCA	GGCGGCCGTC	CGCCAGGGCC	ACAGCGCGA	GGACTCCCTG
	146881	TTGGCCCGAA	GCCATTGGGT	ATGAACCAGC	TGCGCCTCCT	GTCCGACCC	GGCTCCCGCC
	146941	AGCGGGGGCG	GTGGGTGCTG	GGTGTGAGA	GCACACAGGC	GGGACACCTC	GATCACCGTC
40	147001	CGAAAAAAGG	CCCGGTGGTC	CGCGGGCAGC	ATCTGCAGGT	GCGCCAGGGC	CTGGCGTTG
	147061	AGAGGGTACA	ACTCGGAGCC	GGGGGACTCC	GGGGGCCGGT	CCGCGCGGTG	CCGCGAGTTG
	147121	GCACGCTTTG	GGGCCCCGGT	GTCGGACGCG	GGCGCGTTAT	GGATCCCGAC	GCGGGCCAGA
	147181	ACGTACGTG	GTTGGCGCGG	CGATGAGGGG	TCCGGGCTGC	CGAGGGGGC	GTAGGGGACC
	147241	GGGCTAGGCA	AGCCCGCGGG	TTGCGCGGGG	TTCCCGTGGG	GGTCTAGGCT	CCCTGGGCAC
45	147301	CCGTGGGGGT	CGTGGGGTC	GGGGGTCCCT	GGGTATGCGC	GGGACCCCTGG	GTTCTCTGGG
	147361	AGATCGTGA	ACTCGCGGTT	CCCTGGGCTC	TCGGGGAACC	GGGGGCTCCC	TGGGGACACG
	147421	TGGTGCCTG	GGAATTCTTG	ATGGTCCGGAC	GGCTTCAGAT	GGCTTCGGGA	TCGAGAGGGC
	147481	CGCACAGACT	CGTAGTAGAC	CCGAATCTCC	ACGTTTCCCC	GCCGCCGGAT	CATGGTCGCC
	147541	GCCCCGGTGC	GGGGGCCCGT	CGGTCGGAAG	CGAGTGCCT	TCAAGCGTGT	CCGCTCCCT
50	147601	GGGCTGCATG	CCGTGCGGATG	GGGTGCTTT	TAAGGAAAGG	TCTCGGCTGC	CCGCCCAAC
	147661	CGGGGTTTGG	GGGTGGGCCG	GGGAAACCCC	GGATGCCATG	GGGGGGTCAC	ACCCCTAACGCG
	147721	CCGGCGCGCT	GGTTGGGTGG	GGGTAGAGGG	GAGTCCCCGG	TCGACGAGAT	CGTATCAAGG
	147781	GGCCAGCACG	CGATCCTGCC	GCTCGTTCGA	TCTAGCACAC	CCACGGGTCT	GCTGTGTTGG
	147841	ATTTGACTC	CGGGGATCCG	ATCGCACGTC	CGGAGGACAC	AGCAGCGGGA	GCTCCGGGTC
55	147901	GGTCACCGCA	GTTCTGGCCG	CCTCTCGGTC	CTCCCGTCC	CTTTTATGGA	TCTCCGCGCA
	147961	GACATCGCCA	TACGTCCGGT	GTGTGCAACCG	CGAAGAATCC	AGAAACATGT	CCGTCGTTTT
	148021	CAGGGCCCAA	GACATGGGT	CCCGTCCACG	AAGGCGCGC	CCGGCCTGCG	AGAAAGCGCG
	148081	GATGTTGGGA	TCGGGGCCCC	GTCCCCCCC	CCCGTCCCCC	CGTCCCCCG	GCCCGTCCCC
	148141	CCGTCCCCCC	GGCCCGTCCC	CCCGTCCCCC	CGGCCCCGTCC	CCCCGTCCCC	CCGGCCCCGT

	148201	CCCCCGTCCC	CCC GTCCCCC	CGTCCCCCG	TCCCCCCGTC	CCCCCGTCCC	CCCGTCCCCC
	148261	CGTCCCCCG	TCCCCCGTC	CCCCCGTCCC	CCC GTCCCCC	CGTCCCCCG	TCCCCCCGTC
	148321	CCCCCGTCCC	CCC GGCCCCC	CGGCCCCCG	GCCCCCCGGC	CCCCCGGCC	GTCCCCCGG
	148381	CCC GTCCCCC	CGGCCCCGT	CCC CGGCCCG	TCCCCCCGGC	CGTCCCCCCC	GGCCCGTCCC
5	148441	CCC GGCCCCG	CCCCCGGCC	CGTCCCCCG	GCCCCGTCCC	CGTCCCCCG	CCCGTCCCCC
	148501	CGGCCGGCCC	CCC GGGTCAC	CGTACCTGCG	ATAAGGCTGC	AGTGGGTGGA	TGGGTCTCTG
	148561	CGGTACGTAC	AGGGTGGGGG	GGGGGGGGGG	GGAGGGAAAG	GCAGAACGAA	AAGGAACCGA
	148621	TGCGCCCGCG	TCTCTGTATC	CGATCCGATC	CGGGTGCCTC	GGTCCCCCGC	TCGCCGCCGG
	148681	CGTCTCTGTC	TCGCTGTGGC	CCCCCTCGCG	ATGCCGCCGC	TGCCGTCCC	GTCTCCGCCG
10	148741	CGCAGCCGGT	GTGCCCCCTGG	TGCGGCCGGG	ACCGGGACGC	CGGCCCTTTA	TGTGCGCGAG
	148801	GAACGGCCCG	CCCCCGTCC	GGGCCCGCC	CGGGCGGGAG	CCCGCGGGAT	GACGCCGGCC
	148861	CGGGCAGGGG	CGCCAGTGCT	CGCACTTGC	CCTAATAATA	TATATACTAT	TAGGACGAAG
	148921	TGCGAACGCT	TCGCGTTCTC	ACTTCTTTA	CCCTGCGGCC	CCGCCCCCTT	TGGGGCGGGAG
	148981	CGCGGGATGA	CGCGGGCCCC	GGCAGGGCG	CCAGCGCTCG	CACTTTGCC	TAATAATATA
15	149041	TATACTATTA	GGACGAAGTG	CGAACGCTTC	CGTCTCTCAC	TTCTTTTACC	CTGCCGCC
	149101	GCCCCCTTTG	GGCGGGAGCC	GCCCGCGGAC	CAACGGGGCG	ACCTCGCCGG	CCCCCTTGCG
	149161	GCCGGCGGGG	GCCAACGGGA	GGCGGGGGCC	GGCATCTCAT	TACACGAAC	CCGGAAGGGC
	149221	AGGGGAGCGA	GCCCAGCCGC	GACGAGGGTC	TCATTAGCAT	CGCGGGGGGA	AGCGGAAGCC
	149281	GCCCCGCGCC	GGCGCTAATG	AGATGCCGCG	CGGGCGGAGC	GGCGGCCGCG	CGACCAACGG
20	149341	GCCGCCGCCA	CGGACGCCGA	CGCGCGGGCG	TGGGGCGGG	GCCGCGCATA	ATGCGGTTCC
	149401	ACCTGGGGGC	GGAACCCCCG	CGAGCCGGGG	CGCGGCCGCG	TGATCGCTC	CTCCCTCCGCG
	149461	TCCTCCCTCCT	TTCCCCCCGC	CCCGCGCGC	CCGAGGACTA	TATCAGCCAG	GCGACGGGGC
	149521	GATCGTCCAC	ACGGAGCGCG	GCTACCGACG	CGGCCGCCAG	GATCTACCCG	ATCGGCCGCG
	149581	AGAGGCGAAA	AGACACAGGC	ACACGCACGC	ACCGCACGGG	GGGGAGAGAG	ACTGCCAAC
25	149641	ACCCCCCCCC	ACTGCCGCC	CTGAAGAAGA	AGAAGAAGAC	CCCCCCCCCG	CACACCCCG
	149701	TGGGAGGCAG	TGTCGGCGGA	GCAGCGGAAG	AAGAAGAAGA	CGACGACGAC	GACGCCGGGC
	149761	CGCGGGGCCG	AGGTCGCGAT	GGCGGACGAG	GACGGGGGAC	GTCTCCGGC	CGCGGCCGGAG
	149821	ACGACCGGGCG	GCCCCGGATC	TCCGGATCCA	GCCGACGGAC	CGCCGCCAAC	CCGAACCCCG
	149881	GACCGTCGCC	CCGCCGCGCG	GCCCCGGGTT	GGGTGGCACG	GTGGGCCGGA	GGAGAACGAA
30	149941	GACGAGGCCG	ACGACGCCGC	CGCCGATGCC	GATGCCGACG	AGGCGCCCCC	GGCGTCCGGG
	150001	GAGGCCGTCG	ACGAGCCTGC	CGCGGACGGC	GTCGTCTCGC	CGCGGAGCT	GGCCCTGCTG
	150061	GCCTCGATGG	TGGACGAGGC	CGTTCGCACG	ATCCCGTCTGC	CCCCCCCCGA	GCGGACGGC
	150121	GCGCAAGAAG	AAGCGGCCG	CTCGCTTCT	CCGCCGCGGA	CCCCCTCCAT	GCGGCCGAT
	150181	TATGGCGAGG	AGAACGACGA	CGACGACGAC	GACGACGATG	ACGACGACCG	CGACGCCGGC
35	150241	CGCTGGGTCC	CGGGACCGGA	GACGACGTCC	CGGGTCCGCG	GGGCGTACCC	GGACCCCCATG
	150301	GCCAGCCTGT	CGCCCGCACC	CCCGGCCGCC	CGCCGACACC	ACCACCAACCA	CCACCAACCG
	150361	CGCCGGCGCG	CCCCCCCGCC	GCGCTCGGCC	GCCTCTGACT	CATCAAATC	CGGATCCTCG
	150421	TCGTCGGCGT	CCTCCGCC	CTCCCTCCGCC	TCCTCTCCT	CGTCTGCATC	CGCCTCCTCG
	150481	TCTGACGACG	ACGACGACGA	CGACGCCGCC	CGCGCCCCCG	CCAGCGCCGC	AGACACGCC
40	150541	GCGGGCGGGG	CCCTCGCGC	GGACGACGAG	GAGGGGGGG	TGCCC CGGAG	GGCCCCGGGG
	150601	GCGGCGCC	GGCCGAGCCC	GCCCAGGGCC	GAGCCCGCC	CGGCCCGGAC	CCCCGCCGGC
	150661	ACCGCGGGCC	GCCTGGAGCG	CCGCCGGGGCC	CGCGCGGCCG	TGGCCGGCCG	CGACGCCACG
	150721	GGCCGCTTC	CGGCCGGGGC	GCCCCGGCG	GTCGAGCTGG	ACGCCGACGC	GGCCTCCGGC
	150781	GCCTTCTACG	CGCGCTACCG	CGACGGGTAC	GTCAGCGGGG	AGCCGTGCC	GGGGGCCGGC
45	150841	CCCCCGCCCC	CGGGGCCGT	GCTGTACGGC	GGGCTGGGCG	ACAGCCGCC	CGGCCTCTGG
	150901	GGGGCGCCCC	AGGCGGAGGA	GGCGCGGGCC	CGGTTCGAGG	CCTCGGGCGC	CCCCGCCGCC
	150961	GTGTGGCGC	CCGAGCTGGG	CGACGCGGCC	CAGCAGTACG	CCCTGATCAC	GCGGCTGCTG
	151021	TACACGCCGG	ACGCGGAGGC	GATGGGGTGG	CTCCAGAAC	CGCGCGTGGC	GCCCGGGGAC
	151081	GTGGCGCTGG	ACCAGGCCTG	CTCCGGATC	TCGGCGCGG	CGCGCAACAG	CAGCTCCTTC
50	151141	ATCTCCGGCA	GCCTGGCGCG	GGCGGTGCC	CACCTGGGGT	ACGCCATGGC	GGCGGGCCGC
	151201	TTCGGCTGGG	GCCTGGCGCA	CGTGGCGGCC	GCGTGGGCCA	TGAGCCCGG	CTACGACCGC
	151261	GCGCAGAAGG	GCTTCCGT	GACCAGCCTG	CGCCCGCC	ACGCGCC	GCTGGCGCGC
	151321	GAGAACGCGG	CGCTGACCGG	GGCGCGAAC	CCCGACGACG	CGGGCGACGC	CAACGCCAC
	151381	GACGGCGACG	ACGCCCGCGG	GAAGCCCGCC	GCGCCGCC	CCCCGTTGCC	GTCGGCGGCC
55	151441	GCGTCGCCGG	CGGACGAGCG	CGCGGTGCC	GCGGCTACG	GCGCCGCC	GGTGCTCGCC
	151501	GCCCTGGGGC	GCCTGAGCGC	CGCGCCCGCC	TCCGCC	CGGGGCCGA	CGACGACGAC
	151561	GACGACGACG	GCGCCGGCG	TGGTGGCGGC	GGCCGGCGC	CGGAGGCCGG	CCGCGTGGCC
	151621	GTGGAGTGCC	TGGCCGCC	CCGCGGGATC	CTGGAGGCC	TGGCGGAGGG	CTTCGACGGC
	151681	GACCTGGCGG	CCGTGCC	GCTGGCCGGA	GCCCCCCCCG	CCGCGCCCC	GCGCCCGGGG

	151741	CCCGCGGGCG	CGGCCGCC	GCCGCACGCC	GACGCGCCCC	GCCTGCGCGC	CTGGCTGCGC
	151801	GAGCTGCGGT	TCGTGCGGA	CGCGCTGGTG	CTGATGCGCC	TGCGCGGGGA	CCTGCGCGTG
	151861	GCGGGCGCA	GCGAGGCCG	CGTGGCCGCG	GTGCGCGCCG	TGAGCCTGGT	CGCCGGGGCC
	151921	CTGGGCCCGG	CGCTGCCGCG	GAGCCCAGCG	CTGCTGAGCT	CCGCCGCC	CGCCGCCGCG
5	151981	GACCTGCTCT	TCCAGAACCA	GAGCCTGCCG	CCCCTGCTGG	CCGACACCGT	CGCCGCCGCG
	152041	GACTCGCTCG	CCGCGCCCGC	CTCCGCGCCG	CGGGAGGC	GCAAGCGCAA	GAGCCCCGCC
	152101	CGGGCCAGGG	CGCCGCCGGG	CGGCGCCCCG	CGCCCCCGA	AGAAGAGCCG	CGCGGACGCC
	152161	CCCCGCCCGG	CGGCCGCC	TCCCAGGGG	GCGCGCCCC	CCGCCCCGCC	GACGCCGCCG
	152221	CGCGGCCCGC	CGCGCCCCCG	GGCGCTGACC	CGCCGGCCCG	CCGAGGGCCC	CGACCCGCGAG
10	152281	GGCGGCTGGC	GCCGCCAGCC	GCCGGGGCCC	AGCCACACGC	CGGCGCCCTC	GGCCGCCGCG
	152341	CTGGAGGCCT	ACTGCGCCCC	GCGGGCGCTG	GCCGAGCTCA	CGGACCACCC	GCTCTTCCCC
	152401	GCGCCGTGGC	GCCCAGCCCT	CATGTTGAC	CCGCGCGCGC	TGGCCTCGCT	GGCCGCCGCG
	152461	TGCGCCGCC	CGCCCCCGG	CGGCGGCC	GCGCCTTCG	GCCCCTGCG	CGCCTCGGGC
	152521	CCGCTGCGCC	GCGCGGCCG	CTGGATGCCG	CAGGTGCCG	ACCCGGAGGA	CGTGCCTGCG
15	152581	GTGATCCTCT	ACTCGCCGCT	GCCGGGCGAG	GACCTGGCCG	CGGGCCGCGC	CGGGGGCGGG
	152641	CCCCCCCCGG	AGTGGTCCGC	CGAGCGCGG	GGGCTGTCCT	GCCTGCTGGC	GGCCCTGGGC
	152701	AACCGGCTCT	GCGGGCCCGC	CACGGCCGCG	TGGGCGGGCA	ACTGGACCGG	CGCCCCCGAC
	152761	GTCTCGCGC	TGGGCGCGA	GGGCGTGTG	CTGCTGTC	CGGGGACCT	GGCCTTCGCC
	152821	GGCGCCGTGG	AGTTCCCTGGG	GCTGCTGGCC	GGCGCCTGCG	ACCGCCGCGT	CATCGTCGTC
20	152881	AACGCCGTGC	GCGCGCGGA	CTGGCCCGCC	GACGGGCCCC	TGGTCTCGCG	GCAGCACGCC
	152941	TACCTGGCCT	GCGAGGTGCT	GCCCGCCG	CAGTGC	TGCGCTGGC	GGGGCGCGGG
	153001	GACCTGCGCC	GCACCGTGC	GGCCTCCGCG	CGCGTGTG	GGCCGGGGGT	CTTCGCGCGC
	153061	GTGGAGGCCG	CGCACGCGC	CCTGTACCCC	GACGCGCCG	CGCTGCGCCT	CTGCCGCCGG
	153121	GCCAACGTGC	GGTACCGCGT	GCGCACGCG	TTCGGCCCCG	ACACGCTGGT	GCCCATGTCC
25	153181	CCGCGCGAGT	ACCGCCGCG	CGTGC	GCGCTGGACG	GCCGGGCCG	CGCCTCGGGC
	153241	GCGGGCGACG	CCATGGCGCC	CGGCGCGCC	GACTTCTGCG	AGGACGAGGC	GA
	153301	CGCGCCTGCG	CGCGCTGGG	CCTGGGCGCG	CCGCTGCGC	CCGCTACGT	GGCGCTGGGG
	153361	CGCGACGCCG	TGCGCGCCG	CCCAGGCGAG	CTGCGCGGGC	CGCGGCGGG	GTTCTGCGCG
	153421	CGGGCGCTGC	TCGAGCCG	CGGCGACGCG	CCCCGCTGG	TGCTGCGCG	CGACGCGGAC
30	153481	GCGGGCCCGC	CCCCGAGAT	ACGCTGGGCG	TCGGCCGCG	GCCGCGCGG	GACGGTGTG
	153541	GCGCGGGCGG	GCGCGGGCGT	GGAGGTGGT	GGGACCGCCG	CGGGGCTGGC	CACGCCGCGC
	153601	AGGCGCGAGC	CCGTGGACAT	GGACGCGGGAG	CTGGAGGACG	ACGACGACGG	ACTGTTTGGG
	153661	GAGTGCACGGG	GGGGGAAACT	TCCGGGAGCG	GGGGAGGGGG	GAGATGGGA	GAGGGGGAAAG
	153721	GAATCGGGCG	TCTGTGCGC	TTTAAGACAG	ACGCGCGAT	GGCCGCGCG	GTGTGTTGAGA
35	153781	AATAAAAGAAC	GAGACAGACG	AAAACGTAC	GCCTTGTG	GTTTATTG	GGGTGCGGGC
	153841	GGCGGGGGTC	GGGCGGGCG	GGGTGCGGGCG	GGCGGGGGTC	GGGCGGGCG	GGGTGCGGGC
	153901	GGCGGGGGTC	GGGCGGGCG	GGGTGCGGGCG	GGCGGGGGTC	GGGCGGGCG	GGGTGCGGGC
	153961	GGCGGGGGTC	GGGCGGGCG	GGGTGCGGGCG	GGCGGGGGTC	GGGCGGGCG	GGGTGCGGGC
	154021	GGCGGGGGTC	GGGCGGGCG	GGGTGCGGGCG	GGCGGGGGTC	GGGCGGGCG	CACGTCTCCC
40	154081	GCGCCCGCGG	GGGGTCTGGG	GCTCTGACCT	GAGTGCAGGT	TACGAAGGTC	AGGTGGCCCG
	154141	AGCCCCCCC	CAGGAGCGG	AGGGAAAGCA	CGGGGCGCG	GAGGGAGGGG	CTGCTGCGAG
	154201	CTCGGGGCCG	CGGGCGCGG	GGGAGGGGCG	GGGAAAGCCC	CGGGGGCGGG	GCACGGGGGA
	154261	GGCGGCCGCG	GGGGAGGC	CCGCGGGAC	GCAGCCCCGT	GGCGCGCGG	GGGGAGGGG
	154321	TGCCCGCGAGC	TGGCGGGAT	GGAGGGGAGG	GAGGGGGTGG	GGGGGAACCG	TGTGCGGGCG
45	154381	GGCGGGGTGCT	TGGTGCACT	GTCTGGTCTG	CGAGGGCGAG	CGGTGGTGC	ACTGGCGTCT
	154441	TCGGGGGGC	GGGGAGCTT	GGAGTGTG	GTGGTCTGCG	GCACAGCTG	CTAGTCCCCG
	154501	TCCTGCGCGC	CGGGGGCGG	CGCGGGAAAA	AAGCCGCGC	GGGGCGCCCG	CGGGAAGGCA
	154561	GCCCCCGCGC	GCGGGGGGG	AGGGGGCGCG	CCCGGGGGGG	AGCGGCGCG	TCCGGGGGAG
	154621	GGACGGGGAA	GGGGCGCGC	GGGGCTGCC	TGCGGCC	CCGCGCGCG	CGCCCCGCC
50	154681	CGCGCCCCCCC	CCCAAAAAAC	ACCCCCCCCC	GGGGTTGACT	CCCCGGGGGA	AAAGAGGCCG
	154741	GGCGGG					

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	1	AGGCCAGCCC	TCTCGCGGCC	CCCTCGAGAG	AGAAAAAAA	AAGCGACCCC	ACCTCCCCGC
55	61	GCCTTGC	GGCGACCATC	GGGGGGGATG	GGATT	CCGGGAAACC	CCCCCCCCGCC
	121	AGCCTTAAC	AAAACCGCG	CCTTTGCGT	CCACCCCTCG	TTTACTGCTC	GGATGGCGAC
	181	CGTGCAC	TCCCGCCGAC	CTGGGACCCC	GCCGGTCACC	CTCACGTCGT	CCCCCAGCAT
	241	GGATGACGTT	GCGACCCCA	TCCCCTACCT	ACCCACATAC	GCCGAGGCCG	TGGCAGACGC
	301	GGCGCCCCCT	TACAGAACCC	GCGAGAGTC	GGTGTCTCC	CCGCCTCTTT	TTCTCACGT

	361	GGAGAATGGC	ACCACCCAAC	AGTCTTACGA	TTGCCTAGAC	TGCGCTTATG	ATGGAATCCA
	421	CAGACTTCAG	CTGGCTTTTC	TAAGAATTG	CAAATGCTGT	GTACCGGTT	TTTAATTCT
	481	TTTTGGTATT	CTCACCCCTA	CTGCTGTCGT	GGTCGCCATT	GTTGCCGTT	TTCCCGAGGA
5	541	ACCTCCCAAC	TCAACTACAT	GAAACTACTG	TCCGGAAGGG	GAAGGTATTT	ATTCTCGCTT
	601	GCAGCTTGTC	GCGCGTGTAT	GCACAAACAAA	AGCTATATAT	GTCACCAAAG	CCAACGTCGC
	661	CATCTGGAGT	ACTACACCCA	GTACGTTGCA	TAACCTGTCC	ATTGCAATT	TCAGTTGCGC
	721	GGACGCCTT	CTCCGGGATC	GTGGCCTTGG	GACATCAACC	AGTGGAAATAA	GAACCGCCGG
	781	TGGTCTTGT	TGAACGACGA	GTGGCGACGC	GTTGTTCTGC	ATAAGCTCTG	TATGCTGATA
10	841	CATAAACACA	GAGTCTGTAT	CGCTATCAGA	TTCCCGAAC	CCTTCCGGTA	CCCCATACTC
	901	CGATAACCTG	GACATTGCGG	ATCCCAAAAA	TATAATATTA	ACAGGATTG	CTTATACTTT
	961	GCTACAGCTT	ATATAAATT	ATGTGCGATA	CATCTTAAGT	GCATCCGTAC	GTTATTTATA
	1021	CATTGCCTGT	CACGTAAAAA	GACTGTGTTA	CCCAATAAAG	GTTCTACAAA	AAATGCTTTA
	1081	TTGGGTGTT	GTAAATAGC	TATTATCGTA	ACCCACCCCC	GTAAAATCAT	AAAATGCATG
	1141	TAATTTCTGA	GACACTTGCA	TATGGGCATG	TTCCCGCATT	TATTATGGC	TCCACTCTGG
15	1201	TGCGTCCCAG	TTAAACGCC	ACCGCCGAGG	AAAATCCGC	GTCAGAAACG	CGATGTTTAT
	1261	TACGAGTGCT	TGCGGGGAGA	ACTGTAGACC	TGCCAGGC	AGGAACGTTA	CACATTACCT
	1321	GTACCAAAAC	CTATGTAATT	ATTGGCAAAT	ATAGCAAACC	CGGGCAACGT	CTTAGCCTTG
	1381	CCCGTCTAAT	AGGGCGTGCA	ATGACGCGCTG	GAGGTGCAAG	GACATTATT	ATTTTGGCGA
	1441	TGAAGGAAAA	GCGATCCACA	ACGCTTGGGT	ATGAATGTGG	TACGGGCTTG	CATTTACTGG
20	1501	CTCCATCTAT	GGGTACATT	CTCCGCACAC	ACGGTTTAAG	TAACAGAGAT	CTCTGTTTAT
	1561	GGCGGGGTAA	TATTTATGAT	ATGCATATGC	AACGTCTTAT	GTTTGGGAG	AATATCGCGC
	1621	AAAATACACCAC	TGAAACACCT	TGTATAACGT	CGACGTTAAC	ATGCAACTTG	ACAGAAAGACT
	1681	CTGGTGAAGC	CGCACCTTAC	ACGTCAGACCC	GACCCACTCT	CCCAACCCCTA	ACAGCCCAAG
	1741	GAAGACCAAC	AGTTTCCAAC	ATTGTGAAAG	TATTGAAAGG	ATCCCCCGT	CAACAGCCGG
25	1801	TCTGTCACCG	GGTTAGATT	GCCGAACCTA	CGGAGGGCGT	ATTGATGTAA	TCACTAAATA
	1861	AAATACACCT	TTTTTCGATT	GTACGTATT	TTATTAAAT	GTGTAGTTCA	TAGTCCGCCG
	1921	ACAGCCGCTC	GGGCTTTCC	CCACACATACA	ACATGATCGT	ATGCCTCGGA	TGCAACGGTC
	1981	CAACACTCCG	CCGAGAAGGG	GGATTACAA	TGACAGTGAT	ACCCAAATAGC	CGCCAGATGT
	2041	ACACCCAGCT	GTCCGGACTC	CAGCATCATC	TGCTGAGTTG	CGGCGCTGAA	GGGTGCATCG
30	2101	CATAGGGTGT	TATAATTAGC	CATTCCGGT	AACAGTCGTT	GGGAATTAG	GAGGCTGCAA
	2161	AAACGCTGTA	GGTCAACATA	CATTGGGGAT	TCAGATGGTT	TATCTCGACG	TCCAAGTCCA
	2221	ATCAAAAAAG	CGTGTAAATC	ATCAGCCCGG	CCGCATGTTG	CTCGAAGAGC	ACATAACCTC
	2281	TTAACACCGT	ACAGAGGGGA	TGGCGTCGGT	GCATGTGAGT	TGGCAGGGCA	TGTCACAGTT
	2341	GTTCACCAACG	CCAGTGGCGG	TATAACTTGT	GTAAACGACG	CCAACGGGTC	AGGTTAAAGA
35	2401	TTCACTCGGA	TGGGTTGACT	GCTTCGGAA	GCTCCCGTTG	TATCCATTAA	TTAACAGTTC
	2461	GGTACACGTC	TGGTGTGTT	TTTACCCGAA	TCAGAGACGG	AATTGCAAAG	ATATTGGTTT
	2521	GAAAGCAATG	TAATCCCGCC	CATATATCCC	CAACGTCGCC	TTAAAAACTC	CCACAATATT
	2581	ACATTTTAT	TAGTCTTTA	TTAATATAGA	ATCACATAAA	CAATTGATAA	AATCAAGGGG
	2641	TGGTGTATAA	TGATTAAAAA	TATAATTGA	TATGTTTAC	AAGCATGAA	TAGGTATT
40	2701	CTATTCTAAC	AGGTAATAT	GCTTAATGAT	AAAAAATACA	AATTAGTATG	TTTTGACAAG
	2761	CATGAAAAAG	GTATTTTTA	TTTTAGCAGT	AAAAGGTACT	ACACTAAAAA	TATTTACCGT
	2821	ATGGACGGGC	GTCAGAAAGA	TGCCCGGCC	AAGTTGAGAG	GGTACATTCA	ACACGACCAC
	2881	ACTCGCGTTG	GTGGGTGATT	AGGGCCTCTA	AAACACCGGC	CAGACATGAC	CCGGGTGTAT
	2941	ATTCTTGTA	CACTTGAACG	TTACAACGT	TATCATCATA	TTCCACAAAT	TTAGAGCCAC
45	3001	GGACAACTAT	ATTAGCAATG	CGGGCAATCA	TAACAAACAT	ATAAGTAGTA	ATACACGTGA
	3061	TATCACTAAA	ACGTTGCTGG	CGCAACAGTT	CGGGGAGAGT	ACGAGACCCC	AAATCGTTG
	3121	CCCTGTTTAG	AAGAAGACAT	CTTACAAAAG	GCCCCAGCTT	TAACTTAA	TTCTCCAAA
	3181	GTGACTTCGA	GGTTGCAACA	ATGGGATTAT	TTGTGTAGAT	GGGCAAGTTT	TTTGCCGCTA
	3241	ACATTTAAT	CCACGTTAAC	AGTTCATCCG	CAGACTCCAA	CGCTTCATC	AAAGATTCTC
50	3301	CACGTATGAC	TCTCTCACGC	AAACGCGCGG	CAATACGTGA	GTCCATTAA	TATGACTCAA
	3361	AGGTACGATA	AAGTTCATGT	CCGTACAACA	TCAACTCCGG	CCAAGATGTG	TTTTGTTTAA
	3421	TCCCCGGAAA	ACATCCACCG	GAAGCCCATG	AATCACCCCTC	TTGTATTGTG	GCATATCGGA
	3481	CTACCAGTTT	TTCAATTGTT	TCATCTAAAT	GGCGTACCGA	GTCAATGGTC	ACGCTGGCTC
	3541	CCGGGTGGA	GACGACTTCA	ATAGCACGGC	CCGTAATTG	ATCGACCGGG	ATATCATACT
55	3601	CTTTTCGAAT	ACGCTCTCGG	CGGGCGTCTC	TCTTGGAAA	TCGCAACTG	TACGATTG
	3661	CATGTGTCTG	ATCATTTCTT	TCTCCCGTGG	TCATTGCGAG	AGGCCTTGT	GGACGCCGTC
	3721	TTCGATTTGA	CAGGGATCGA	TCACGGTGT	TTCTTGAACT	TTGAGTGT	TAAGATCTGG
	3781	ATGATCGTCG	ATGTCCCCGT	TCGATGCGTG	CATATCCAGT	CTCCACGTCT	CTTCCTCCAT
	3841	GATGGTTGA	ATCGGGTAAT	ACAACAAACCA	AAGTTTCGG	GCGATTGTGG	TGGTAGCTT

	3901	CACGCCCTCC	GTGCCTTCGT	TTGGAATACC	GTGGATTATA	TGCTGTATCT	GCAGTACGCT
	3961	CCACATACAC	AGTTCTAGAC	GTTGTGGAGT	CCTCGCCTGG	AGTGGAGCCA	ATAGCTTCAT
5	4021	CATTGCCCA	ATCGGTGACT	TCCAATGCAA	AGTCATCCGA	AGGTTCGTCT	GGTAGCAAAT
	4081	TCATAAAAGTC	TTCACAAAATA	GTAGACACGT	CTGGGTCGGT	TGGAATTGAA	GCAGAGGCCA
	4141	TGGCTGCAA	ATATCTGACA	ATTGCGTGT	TGCAGTTGCC	TGTATCTTC	GCCAATGTTG
	4201	TAGAATTAT	AGGCTCACCC	AACCCCGCAA	TGGGCGTGT	TAGTCACATG	ATTAATGCTT
	4261	CTGGGAGTTT	TCACCTTCCC	CAAACAAGCT	TACCTGCACC	CTTGTTCTG	AATGCATAAA
10	4321	AATAACCACT	GCTATAGCAA	ATATGACGAT	ATAAAAAACAT	TTTATAGCAA	GGCCGGACAT
	4381	TACTGTAGCG	CAACATGTT	TGCATATACC	ACGTATTCCC	CCCGTATTGA	TATGATTAA
	4441	ATGATTATCC	TTGGTTGGTT	TTGGTCTAAC	ATAAGATATA	AGCTCTACTA	TAGCGAGCGT
	4501	GCATACAA	ACCCAGGCCA	GAATCCGAAT	GTATGTGGGG	TATAATAACG	CGCATGGTGT
	4561	ATATGCAACG	CCAAGCGTTA	AAAGCACAAT	ACATCCAGAT	GATATATGAG	CGATAACCTC
15	4621	CAAAAGCATC	AATAACGTA	CACCTTTATG	CATATATAAA	AAACTTATAG	GGTCAGCATT
	4681	AAATACTTTA	CTCATACCAT	CCCGTCGCAT	GGAAACATCA	CATAACAACC	TTGCCAACTT
	4741	TGTATATGGG	TAACCAAGAA	GAATGTTCGA	AATAACCCGT	GTTACGTAAT	TCAGTGAATA
	4801	TGATGTGGGG	GATAATTAACT	CACAGGATGA	TCGGAATGGC	CCAAACATAC	GACGTATTG
	4861	TCGAAATTGT	AAATACATAC	CATATACAA	CCATGCAAAA	AAAATCATT	TTAGCTGCAC
	4921	GCACCAAAAA	TAAGCGTGAC	AATTACGTGT	TCCCAGAAC	ATTCGAATT	TGTCATGCAA
20	4981	AGGTGTAGAA	ATAGCGGTTT	TTACCATAGT	ATCTCCTGAT	AATAGATTT	CCCGGCAGCT
	5041	GTAATCGTAT	CCAGATAGGC	CATCCAAAAA	CGTTGAGTGG	TTTACAAACG	TTACATATAT
	5101	AAGAGAGTTG	TTATAAGACC	CCCATACAAAC	CGGTCACCA	TTAACACCG	TGGTTGCATA
	5161	CACACACTCA	TGTTCAAAC	TTACACGAGC	GGTATACCAT	AGGGTAAAAA	CAGCATGTCC
	5221	GCTAAGTAGA	CACATAATTA	AAAATGTT	TGTCTGATT	CCTAAAGCCT	GCATGACCCG
25	5281	TGGAAGATGG	CAATTCAAGC	ACGATGTAGT	ATCACACGGT	TGGTGTAAAC	TCGAAGTAA
	5341	ATTTGGATAA	TTAGGTACTT	CTAGAGTAA	GATTGTATGC	ATGCGATTGC	TATCGCACTT
	5401	TGTAGCAAAA	CATTGTTGT	CAAGCGAAAT	ACACAAACGG	TTGTGATGAT	CCACTCGCAG
	5461	AGACACAAAT	GTCCGGGGAG	CCGTTCTTC	TCCGCGATGG	GGATATCGAA	GACAAGTGA
	5521	CCCTTTGTT	CCGCATATGA	GCTGAAATAA	CACCCAGTCC	CTTTGATGG	CGATACACTT
30	5581	TGATGATGTT	AAGGTATATT	CGCGATCAGC	CCCGGGAAA	TGAACAGCAA	TATGCTCCAC
	5641	AATAGATTCT	AATATTGTGC	TGTCGACAAA	GGCCTCCAGT	GTAAATGCGT	CCAGACAAAGT
	5701	TACCCCGCGC	TCTTTAGAG	CCTTTGTTAA	AGATATTGTC	GGGGAGCTAA	ATATTTGTTT
	5761	ATTACGCGCA	ACCTTACGTT	CAAAAAACTC	TGCGTATTCC	CCCCCAAGGT	TATGAAAAT
	5821	AAATTGCACT	GGAACATTG	ACTGCGGTCT	TGAATGAAA	TGAAAGTTG	CCGGGTTTCT
	5881	ATGTGATGTC	ACAAACGCTA	ATATATCAAT	ACACTGCTCA	GGTACAACAT	AAAATGGGAG
35	5941	TAGTTGTCCA	ACCGCCGTCC	CTGTGGTTGT	TACTTGGAG	AAAAAAGGCA	GTCTTAAACT
	6001	ATGTCCTGTT	CTATAAACAC	CAGTATCTAT	AAACGAAAAG	TCCCCTAAAT	ACGGACCAAT
	6061	ATATTCAACA	AATTCCCGTT	CCAGCAACAC	CGCTTGTCTGT	AATATTGTTG	CAAACCCCTT
	6121	TAAAGTGGAA	GACCCCCACTA	ACGCATAGGG	ATTTGGGATT	GGTACGCATA	CCCTGAAACC
	6181	TATTTTCTCT	TTACAGTTAC	AGGGTAGAGT	TTCATGCAAG	TTTCATGTTG	TTGATACATC
40	6241	GGCGTGTGTA	TGGACTTCAG	ACGTTGTCG	TGTATCAAA	AACCATAACAT	CCTCTGTATA
	6301	ATTCTCTTCT	ACACACGTGT	ATAATTGCGC	ATTTTCTATG	AAAAATCGA	TGTCAGAATG
	6361	GCTGGTTATA	TCCAATAAA	TATCATCATC	CAACACCTCA	ACGGTAGGTT	CAGGACATGC
	6421	AGTTTTATAA	AAATAACATG	GGTCTTTGTT	AGGGTTTACC	ACGGCCTT	AAAAAAAGTAA
45	6481	TTGCATGGCC	GTTAAAATAC	CATGACGAAA	TGCTCCATG	CCGGCATGTA	AAATACCCAA
	6541	TGGGATGGGT	TTTCTTATAT	GAAAGTCTAC	ATCAAGTATG	AGGTTTGTGA	TTATAAGATT
	6601	TGTATTAAT	AGCTCATCC	TGTTTATATA	AAGCTGATCT	TTGGGTATGT	TTGATGAAAT
	6661	TTTAGAACG	TTTTAACAG	ACGTAGATAA	TAGTAAAGTC	AACTGCATAT	CTCGTAGTGA
	6721	AGCGGCAACA	AAATTACATG	GATTAATTG	TTTAAGGTCC	TCCGCAATT	ATCGAGCCTC
	6781	GTGCGGTAAA	GTGTAACGGT	TTGTTATTGA	TGACCACGT	TCATTAGCAA	TAACAGCAA
50	6841	TGCTTGGGCG	CCGTGAGGCA	AGGCTACCCG	ATATACAGGC	ATTGGTCAG	TTACCTCAGA
	6901	ATGGCCGATG	AGGGCTTCTA	ATGGAGTTT	ATAACTCAGG	ATGGATAACAT	CATGTGTGGC
	6961	TATCCCAGTG	GCAGCAGAGA	AAAACAGTAA	TAGTTTGTA	ATCCCCGGGC	TCGTATCAA
	7021	ACCAGTACGA	CCACTTTGGT	TAGGTGTATC	GTTCGAAAG	TTGGCTGTC	GTAACGCCTC
	7081	CGCGGAAACA	CCCGAATCCT	AAAATTAGA	CAATTGTC	AAACCGGGTG	GATTGAGGG
55	7141	AATAGTGGAG	GACCATCCAT	ATGGACTAAA	TTGTTTTCA	ATGTTTTCCA	CACGACGAGT
	7201	TAGCGTTGTA	GCTAGGTAC	ATACGCC	AAACTGCTA	GGTTTTGCGG	CATACGTAAG
	7261	ACTTAAAGTA	TATGTTTTAG	TAATTGTATA	TTTATGTC	ATCTCAGGTC	CAAGTTCAAG
	7321	GACATCACAA	ATTACGTTCT	TTTTTATATA	GTCACGCATG	TTGAGACGGAG	AACGTACATG
	7381	ATTA	TTAGCAGTAG	CTCTTTTCC	CAGGTTGGAT	GATTGAGGAA	GGACCGGTTT

	7441	ATTCACAAAA	TCTGAGTATG	TAACCGCTTG	TAGGTGGTCT	GCGATCTGTT	TCCGATTGAA
	7501	ACATTCAAAA	TGTGCCAGAT	AAATATAATC	AACAAATTCA	CGGTCTGGAA	CTTTAAGGCC
	7561	TTTTCTATCG	TTGGTAATAT	ACTCCGATAC	TGCGTGTATT	TCCGTTGTGT	CTGTATGTAT
5	7621	TCGCTGTAAA	ATGTACGATA	GAGCATTTT	GGCTGTCAA	CCTCGTGTAT	ATGTTGAGGA
	7681	ACAACAAAC	ATGGAAAGTT	TATCAAAAGA	CAACAAGTCC	GAAATATTGT	ACCCACTACA
	7741	ATTAGGTAAT	GCCGGGACTT	GGTAAGTTAA	AAACAAATCT	TTAATTGCCT	GTAAGTCATA
	7801	TAAGGGGGTT	TCCAACGTAT	TGTAACTTGT	GTCCGTTGT	AACAAGTAAT	AGCGTGTAGC
	7861	CAACACTAGC	GTTTTTCAG	AGGGTCCAAA	TCGAACAATA	TACCAAAACG	GCGAGCATCC
10	7921	ATACCCCCAG	TAGAGTCGTC	GATATGCAGC	CAATACTTGA	CGTTCGTAAT	GGGCATATAA
	7981	TGATGTTAGC	TCCTGACGAC	CAACGGATT	TTAACTAAC	TTGCAGAGTG	TTGCCCTGT
	8041	GATGCATAGG	CCGTTGTCG	ATAATCCCTT	TCGGTTAAA	TGGTGTGTTG	TTACCATCAG
	8101	AGTTTGTATA	ACTTCCGAGT	GAATGTCAA	CGTCTCCGAT	ATACATAGGG	TATCAGATAT
	8161	TATATGCGGA	TTTAGGGGTG	CTCCATACCA	TAACGCCCTA	TATAAAGCTT	AAAATCAGT
15	8221	TTGGGTTTTA	AAACAACAAA	AAAATATAGG	CCAGACCCGG	GATCGTACAT	CTCCAGTTGA
	8281	AAATCCACCA	ATTAATAAAA	AAATAACGTT	GACGTCCCTA	CTACAAAATA	AATGCATTAT
	8341	TTGGTTTTCT	TCATCGTTT	CAGTTACTTC	ACGTGGCGT	TTAGTTGGG	TTACTTGCCT
	8401	GATCTCTTCC	CTCCCATT	TGACAAAGAC	GTCATCTAAG	TCGGGAGTCC	AAGTATAACT
	8461	CACCACATAC	AGAGGTTCTG	TGCTTATCTG	CCCCTGTAAGC	AACAACAGCG	AGTGGGAGAT
20	8521	TGCACATCCC	TTTGTGGCAA	ATAATAACCG	AATCGTCGGT	TTGGAGGATT	TATCCATAGT
	8581	TCAATACGTT	GGAAAGCAG	TCAATCATGC	AGACGGTGTG	TGCCAGCTT	TGTTGGATATG
	8641	CTCGAATACC	AACTGAAGAG	CCATCTTATG	AAGAGGTGCG	TGTAAACACG	CACCCCCAAG
	8701	GAGCCGCCCT	GCTCCGCCTC	CAAGAGGCTT	TAACCGCTGT	GAATGGATTA	TTGCCCTGCAC
	8761	CTCTAACGTT	AGAAGACGTA	GTGCTTCTG	CAGATAATAC	CCGTCGTTG	GTCCGCGCCC
25	8821	AGGCTTTGGC	GCGAACTTAC	GTCGATGTT	CTCGTAACAT	TGAATGTTA	AAACAGCACC
	8881	ATTTTACTGA	AGATAACCCC	GGTCTTAACG	CCGTGGTCCG	TTCACACATG	AAAAACTCAA
	8941	AACGGCTTGC	TGATATGTTG	TTAGCTGAA	TTACCCATT	GTATTATCG	GTTGGCGCGG
	9001	TGGATGTTAC	TACGGATGAT	ATTGTCGATC	AAACCCCTGAG	AATGACCGCT	AAAAGTGAAG
	9061	TGGTCATGTC	TGATGTTGTT	CTTTTGGAGA	AAACTCTTGG	GGTCGTTGCT	AAACCTCAGG
30	9121	CATCGTTGA	TGTTTCCAC	AACCATGAAT	TATCTATAGC	TAAGGGGAA	AATGTTGGTT
	9181	AAAAAACATC	ACCTATTA	TCGGAGGCGA	CACAATTATC	TGAAATTAAA	CCCCCACTTA
	9241	TAGAAGTATC	GGATAATAAC	ACATCTAAC	TAACAAAAAA	AACGTATCCG	ACAGAAACTC
	9301	TTCAGCCCGT	GTTGACCCCA	AAACAGACGC	AAGATGTACA	ACGCACAA	CCCGCGATCA
	9361	AGAAATCCCA	TGTTATGCTT	GTATAAATAT	TGAAATAAAA	ACTAAAAACG	TTTCTGGTGT
35	9421	ATGTTTTAT	TTTGTATATA	AAATTAAAAC	ATTGCTGGCT	GGCGTGGTTA	TTACATTAA
	9481	TGTTTTAGTA	GAAAATCGAC	ATCGTTGTT	TCTTTATCAG	TTGAACCAAA	TCCACCGT
	9541	CCCCGTTCGC	TGGGTGTTG	TATTAGATCT	AACGTTTAG	AAAATACCA	TTGTACACCC
	9601	GGTATGCCAC	ATTTACCGCG	GATAGCATAA	GGAAATGCAA	TATTACTTAA	AACGTTGTGT
	9661	TTTAAGTGT	TTGGGGTGT	GTGATCTATT	AACAGGACCT	GTGCAAGACG	ATCTCCCGTT
40	9721	TTTATACGTA	TGTCATCAC	CGTGAGGATTA	TATACGTAGA	ATTTACAGTG	TTCTCCTGCA
	9781	GGCCATGCCG	TTGGACACAC	GATAATGCCT	GATCGGCTT	TCGATGATCT	TCCAAAATA
	9841	TAAGCGTTA	TACTCGGATG	TTGTAAGTCC	CAGTCTCTT	TAATCGGTA	GACAATT
	9901	ATAAATTCA	TCCTTTTAA	ATATAGTTA	TATGGTACAC	AAATATCATA	TCCCGCGTCT
	9961	TCTTGGCGTT	TTGGATTGAT	GATATGTTG	TAGGTTAAGG	GAACATCGAT	ATGGTATTCT
45	10021	GCAGAATCCC	TATGAAAGG	TTGCCCTG	TGTACCGTGG	AAATATCAGC	AAATTCAAGGT
	10081	ATAACGGGTT	TTTCATAATT	TGACGGCGAG	TTTGATAAGG	GTTGAACCTG	TATCGATT
	10141	AAAATTGGAT	CCAGATGTTT	AAGAACGTTT	TTTGGGAGAA	GGCGACTTTG	TCTTAATT
	10201	ACCGGGAACA	AGTAGATTGT	TAATGTCCG	GGTAAAATAA	CGGTTACTCC	TGGCCGGTAA
	10261	TACAAAAGGG	CTGAAATTAC	TCCTCTGAA	CCCGCATCAA	TAACTCCGTT	GGCGACAAA
50	10321	AAATTGTCTT	CATCAGCAAG	GGCAGTATCT	TTGCATTGAA	TTAACAAACG	TGCGTATTCA
	10381	TTGGGAGGCG	CGGACTTAAC	CAACAGCTCC	AAC'TGCTGCA	TATAAAACCC	GCCCCGTGTT
	10441	ACAGATTTT	CAGATGGCAG	TTCGAGTTTC	TTG'TGGTTCC	GGAGTAACAA	CGGTTGATGT
	10501	CGACTTACTT	TATCGTCTAA	CACCGATTGC	AGCGTATCTG	CACATTCA	TTGAAACTTCT
	10561	ATTAAAATTG	TATCTTTAA	ACACCGATTC	GGAAATAGTTT	GGCTACAAA	CATATCACCT
	10621	GTATTACTG	CCGTTCCAA	GATGGGATCA	ATTACCGCTT	CGTTCATATT	AATAACGATG
55	10681	CAAATTAT	TTTTTGTTGA	AGACAGCAGT	GGGGAGCCAA	ACTTTGCGAGA	ACGGAATT
	10741	TGGCATGCCA	GCTGTTCCGC	TCGTGGAGTT	TATATCGACG	GATCAATGAT	CACCAACCTT
	10801	TTCTTCTACG	CATCCCTTT	GGGGGTGTGT	GTAGCCCTTA	TTTCGTTAGC	TTATCATGCG
	10861	TGTTTCCGGT	TATTTACTCG	TTCTGTATTA	CGCAGCACGT	GGTAAACCCG	TTTGCCCTATA
	10921	AAAGGGGCAG	GC GTATATAA	GAGGGCCCT	GTT'TAATACG	CGGTCTGCCG	TGTTTGGATA

	10981	TTTCACGACC	CTATCGTTA	TTTACGTAAT	GGCATCTTCC	GACGGTGACA	GACTTTGTCG
	11041	CTCTAATGCA	GTGCGTCGTA	AAACAACGCC	TAGTTATTCC	GGACAATATC	GAACCGCGCG
	11101	GCGAAGTGTG	GTCGTAGGAC	CCCCCGATGA	TTCAGACGAC	TCGTTGGGTT	ACATTACCAC
5	11161	AGTTGGGCC	GATTCTCCTT	CTCCAGTGTG	CGCGGATCTT	TATTTTGAAAC	ATAAAAATAC
	11221	GACCCCTCGC	GTACATCAAC	CAAACGACTC	CAGCGGATCG	GAAGATGACT	TTGAAGACAT
	11281	CGATGAAGTA	GTGGCCGCC	TTCGGGAGGC	CCGTTTGAGA	CATGAACTGG	TTGAAGATGC
	11341	TGTATATGAA	AACCCGCTAA	GTGTAGAAAA	ACCATCTAGA	TCTTTTACTA	AAAATGCGGC
10	11401	GGTTAACACCT	AAATTAGAGG	ATTCAACGAA	GCGAGCTCCC	CCGGGAGGCAG	GCGCAATTGC
	11461	CAGCGGGAGA	CCAATTCTCT	TCAGCACTGC	ACCAAAAACC	GCAACAAGCT	CGTGGTGC
	11521	TCCTACGCCA	TCATATAACA	AACGCGTCTT	TTGTGAAGCG	GTCCGGCGCG	TAGCCGCCAT
	11581	GCAGGCACAA	AAGGCTGCCG	AAGCGGCTTG	GAATAGTAAT	CCCCCAAGGA	ATAACGCCGA
15	11641	ATTAGACCGT	TTGTTAACCG	GAGCGTTAT	TCGTATTACG	GTGCATGAGG	GTTAAATT
	11701	AATACAAGCC	GCTAATGAAG	CAGACCTAGG	TGAAGGAGCA	TCGGTATCCA	AACGTGGACA
	11761	TAATCGAAA	ACTGGAGATT	TACAGGGGGG	CATGGGTAAT	GAACCTATGT	ACGCACAAGT
	11821	TCGTAAGCCA	AAAAGTCGAA	CGGATACACA	AACGACTGGG	CGTATAACTA	ATCGAAGTAG
	11881	GGCCCGTTCT	GCATCAAGAA	CTGATACGCG	AAAATAGGGA	TATAATTACG	CAGTAACGGT
	11941	TTACCCGGTA	TTATGTATAA	TAAATAAACG	TATAAAAGAC	AGTCGTGGTT	TGTGTTTATT
	12001	ATAAATGTGT	ATTATATGTC	ACATATTATA	AACTGTTAA	ATAGTACCCAC	GTGGTATTAT
20	12061	GAACAGTTA	TAATCAGTTG	CTACCAAACA	AACCCCATTA	GACGGCGGGT	TTTGATAAAG
	12121	GGAATCGCTT	ATTAAACTA	AAGATTTAC	TCTATAAGTA	TGGAGTGTAA	TTTAGGAACC
	12181	GAACATCCTA	GTACAGATAC	GTGGAATCGT	AGTAAAACGG	AACAAGCGGT	TGTGGACGCA
	12241	TTTGATGAAT	CGTTGTTGG	TGATGTAGCA	TCGGATATTG	GATTGAAAC	GTCGTTATAT
	12301	TCACATGCAG	TTAAAACCTGC	TCCGTCTCCG	CCTTGGGTAG	CTAGCCCTAA	AATTTATAT
25	12361	CAACAGTTAA	TACGGGATCT	TGATTTTCA	GAAGGGCCGC	GTTTACTATC	ATGTCTGAA
	12421	ACCTGGAACG	AGGATTATT	CTCATGTTT	CCTATTAAATG	AGGACCTATA	TTCCGATATG
	12481	ATGGTTTAT	CCCCGGATCC	AGATGACGTT	ATCTCAACCG	TTTCAACCAA	AGACCATGTT
	12541	GAAATGTTA	ATTTAACAC	CCGGGGTTCC	GTTCGATTGC	CTAGTCCACC	AAAGCAACCG
	12601	ACGGGGCTTC	CAGCTTACGT	TCAGGAGGTC	CAGGATTCTG	TTACCGTAGA	ACTACGCGCC
30	12661	CGGGAAAGAAG	CATACACAAA	ACTACTAGTT	ACTTATTGTA	AATCGATTAT	ACGTTATCTC
	12721	CAAGGAACGG	CGAAAAGGAC	GACAATAGGT	CTTAATATAC	AAAACCTGA	CCAGAAAGCT
	12781	TACACGCAAC	TCAGGCAAAG	TATTCTACTT	AGATATTATC	GTGAGGTGGC	AAGTTGGCG
	12841	CGTCTTCTGT	ACCTACATT	ATATTTAAC	GTAACCGGTG	AATTTCTG	GCCTTGTAC
	12901	GCCAGTCAT	CTGCACACCC	GGACGTGTTT	GC GGCTTAA	AATTACCTG	GACCGAACGT
	12961	CGACAGTTCA	CGTGTGCGTT	TCATCCTGTA	TTATGCAACC	ACGGCATTGT	GTTATTAGAA
35	13021	GGGAAACAC	TAACAGCGTC	TGCCCTTGAGG	GAAATAAATT	ACCGCCGCCG	AGAACTGGGA
	13081	CTGCCTCTAG	TTAGATGTGG	TCTGTTGAA	GAAAACAAAT	CTCCGTTGGT	TCAACAACCC
	13141	TCATTTTCGG	TTCATTTACC	ACGGTCGGT	GGTTTCTTA	CCCACCAACAT	TAAGCGTAAG
	13201	TTAGACGCAT	ATGCGGTCAA	ACATCCTCAA	GAACCGAGAC	ATGTACGAGC	GGATCATCCT
40	13261	TACGAAAAG	TTGTTGAAAA	TAGAAACTAC	GGTAGTAGCA	TCGAAGCTAT	GATTTAGCA
	13321	CCTCCGTCCC	CATCCGAGAT	CCTGCCGGGG	GACCCACCAC	GCCCACCCAC	GTGTGGGTTT
	13381	TTAACCGCGTT	AAACGTCA	GGGGTAGAGG	GTGTAATAA	ATTACGAAAA	CGTGCATGCG
	13441	TTTTTATT	TTACAATGCG	CCGTATATGG	TATGTCCTGTC	ATGTGCTCTA	AAGTCCCATA
	13501	TATAAAAGAA	GCCCCAACGA	GTGTATGCGT	ATTGCGTACC	GCGACCCTGG	GATGTTTAC
45	13561	AGGCGCGTTT	GTTCGTCTCG	GTATATAAGTA	TGCAGTCGGG	TCATTATAAC	CGGAGGCAAT
	13621	CCCGCCGACA	CGGGATATCG	TCTAATACCA	CAGACTCCCC	CCGTCACACCA	CACCGAACAC
	13681	GTTATCGGTC	AACCAATTGG	TATACACACC	CACCCCGAGAT	ATTGTCCTAA	TCAGAAACAT
	13741	TAGTTGCGGT	TCAAGAACTA	CTGAACCTCG	AGATGGATCA	GGACAGCAGT	TCTGACGCAT
	13801	CGGATGATTT	TCCGGGATAC	GCCTTACATC	ATTCTACATA	TAATGGATCC	GAACAAAATA
	13861	CATCAACTTC	CAGACATGAA	AATCGCATAT	TTAAATTAAAC	GGAGAGGGAA	GCTAATGAGG
50	13921	AAATCAACAT	CAATACGGAC	GCGATCGACG	ACGAGGGAGA	GGCGGGAGGAG	GGAGAGGC
	13981	AGGAGGACGC	GATCGACGAC	GAGGGAGGAG	CGGAGGGAGG	AGAGGC	GAGGACGCGA
	14041	TTGACGACGA	GGGAGAGGCG	GAGGGAGGAG	AGGC	GAGGAGGAG	GACGACGAGG
	14101	GAGAGGCGGA	GGAGGGAGAG	GCGGAGGAGG	GAGGGC	GGAGGGAGAG	GCGGAGGAGG
	14161	ACGCGATCGA	CGACGAGGGA	GAGGGCGGAGG	AGGAC	GGAGGGAGGAC	GCGATCGACG
55	14221	ACGAGGGAGA	GGCGGAGGAG	GATTATT	CTGTAAGTCA	AGTTGCGAGT	CGAGACGCGG
	14281	ATGAGGTTA	TTTACGTTA	GACCCGGAAA	TAAGTACAG	TACCGATCTT	CGCATTGCAA
	14341	AGGTTATGGA	GCCTGCGGTA	TCAAGGAAC	TTAATGTATC	AAAACGTTGT	GTTAACCTG
	14401	TTACCCCTAAC	AGGCTCTATG	TTAGCGCATA	ATGGGTTGA	TGAGTCCTGG	TTTGCTATGC
	14461	GCGAATGTAC	CCGTCGCGAA	TATATTACGG	TCCAAGGATT	ATACGACCCA	ATTCAATTAC

	14521	GGTATCAGTT	TGATACTTCC	CGGATGACAC	CCCCACAGAT	TTTGAGAACT	ATACCAGCCC
	14581	TTCCTAACAT	GACACTTGGT	GAACTTTAT	TGATTTC	TATTGAAATT	ATGGCCCAAGC
	14641	CAATTCTAT	AGAACGTATT	TTAGTTGAAG	ATGTATTTT	AGATAGCCGG	GCTCCAGTA
5	14701	AAACACATAA	ATACGGCCG	CGTTGAATT	CCGTCTACGC	ACTTCCATAT	AATGCGGGTA
	14761	AAATGTATGT	ACAACACATT	CCTGGGTTT	ATGACGTGTC	CTTACGTGCT	GTGGGCCAAG
	14821	GAACGGCCAT	TTGGCATTAC	ATGATATTAT	CCACAGCAGC	ATGCGCTATT	TCTAATCGCA
	14881	TTTCACATGG	AGATGGATT	GGATTTTGT	TAGACGCCGC	AATTCTGTATT	AGCGCAAAC
	14941	GTATTTTTT	GGGACGTAAC	GATAATTTC	GCGTGGGGGA	TCCATGTTGG	TTAGAAGACC
10	15001	ATCTTGC	ATTACCAACGA	GAAGCCGTAC	CCGACGTACT	CCAAGTGACA	CAGTTGGTTT
	15061	TGCCAAATCG	GGGTCCAACG	GTTGCCATTA	TGCGTGGTT	TTTGGGGCG	TTGGCATATT
	15121	GGCCCGAACT	AAGAATTGCT	ATAAGTGAAC	CATCTACATC	TTTGGTGC	TATGCTACCG
	15181	GTCACATGGA	ACTTGC	TGGTTTTTAT	TTTCACGTAC	ACATAGTTA	AAGCCACAAT
	15241	TTACCCCAAC	GGAACGGGAA	ATGTTAGCGT	CATTTTTAC	GTTGTATGTT	ACTCTTGGTG
15	15301	GAGGAATGTT	GAAC	TGTAGAGCAA	CTGCAATGTA	TTAGCTGCT	CCTTACCAATT
	15361	CCC	TTACATCGCG	GTCTGTGAAT	CTCTGCCCTA	TTACTATATC	CCGTTAATA
	15421	GTGACCTGTT	ATGTGATT	GAGGTATTAC	TGTTAGGCGA	GGTCGACCTC	CCAACGT
	15481	GTGAATCCTA	CGCAACTATT	GCACACGAAT	TAACCGGATA	TGAGGCTGTT	CGCACAGCAG
	15541	CCACAAATT	TATGATAGAG	TTTGCGATT	GTTATAAGGA	AAAGTGAGACC	GATTAAATGG
20	15601	TAAGCGCGTA	CCTGGGGGCC	GT	TACAACGGGT	GTTGGGT	CAT
	15661	TTTTGTTGCT	TCTCTCCGGT	GCTGCGTTGT	ACGGAGGATG	TTCAATTAC	ATCCCCGAG
	15721	GTATTTAGA	TGCATATAAT	ACTTTAATGT	TGGCAGCAAG	TCCTCTTAC	GCTCACAAA
	15781	CTTTAACATC	CTTTGGAAA	GACCGCGATG	ATGCAATGCA	AACTTTGGG	ATTCGACCGA
	15841	CAACGGACGT	TTTACCCAA	GAGCAAGACA	GGATAGTTCA	GGCATCACCT	ATAGAGATGA
25	15901	ACTTCCGTT	TGTGGGATTG	GAGACCATCT	ATCCCAGA	ACAGCC	CATT
	15961	ACCTAGCCGA	AAATCTTATG	CAATACAGGA	ATGAAATTCT	GGGTTTG	GAT
	16021	TAGCCATGCA	TTTACTACGA	AAATATTAAG	GGTTGTGATT	TTTTCATTA	GGATGAAAAG
	16081	AACGTTCC	AGCCACACCC	ACAAAGGAGT	TTGTAAAATA	AAATCTCTGT	TTAGACCTA
	16141	AAATTGTTG	TGTGTGTTGT	GTGGGGGTC	CGT	GAGGAT	AGATAAATT
30	16201	TGTCCATATC	GCAATGTTT	CTCGTTTG	CGC	GT	ATAGAACGCG
	16261	TAAATCTTAT	GATGGTAGTT	ACCAAAGTTT	TAATGCC	GAACGTGATT	TGCCCACACC
	16321	TACCCGGGAC	TGGTGTCTA	TTTCCCAACG	CATAACCAGC	GAGCGCGTGA	GGGATGGATG
	16381	TCTTATTCCA	ACGCCCGCG	AGGCTTTGGA	GACGGCGGTA	AAGGCTT	CTGAAAAGAC
	16441	CGACAGCTA	ACATCGCCG	TTTACAAAG	TACCGAAAGA	CACAGTGT	TGCTTGGATT
35	16501	ACACCATAAT	AATGTTCTG	AATCGTTGGT	GGTCTCGTGT	ATGTCTAACG	ATGTTCATGA
	16561	CGGGTTATG	CAGCGTTATA	TGGAAACAAT	TCAAAGATGT	TTGGATGACC	TGAAACTTTC
	16621	TGGGGATGGA	CTTGGTGGG	TTTATGAAA	TACATATTGG	CA	TCA
	16681	AGGAGCCGAG	GTACCGGTGA	CTTCAGAGAA	GGTAAATAAA	AA	GTCTAAAT
	16741	GTTGTTTC	TCCGTAGTTG	CCAATAAAC	AATATCCAGA	CATC	TTA
40	16801	TATAAATTG	GATTACCGGG	GAATATGTCA	GGAGCTACGT	GAGGCGTTAG	GAGCTGTGCA
	16861	AAAGTATATG	TATTTATG	GTCCAGATGA	TCCTACAAAC	CCCAGCCCG	ATACAAGAAT
	16921	ACGTGTACAA	GAAATTGCGG	CTTACACGGC	TACTGGCTAC	GGGTGGATGT	TATGGTTCTT
	16981	GGACGTTGTG	GACGCCAGGG	TATGTCGCCA	TCTCAAAC	CAATT	CGAC
	17041	GCCGCGCG	TCTGTTATT	CAGATGATT	GCTTAGACGA	CATT	AAAAA
45	17101	GGTCTCAGCG	GGCACAGGAG	TTGC	TTAGCAGCA	ACAAC	GCGCTCTTAC
	17161	TGCGTTTTG	CGTATTAGT	TATTATGGCG	AAAGGAAGAG	TGGCGGGATG	GTTAAATGG
	17221	AAACCGCAGCT	GCAATTGTTG	CGGCGGTTGA	ACTTATTACG	CTTTTG	CACC
	17281	ATACTTAATT	AATATGATG	TTATTGGATA	TGCATGTTGG	GGGGATGGGG	GATTAACACG
	17341	TCCTTATATA	TTAAAGGCCG	TACGTGCCCA	GGGACGGTTT	TTATATT	TG
50	17401	GGTCAGAAC	ATGTCAACAC	ACAGTTGGGT	TGTGTTAGAG	ACCAGCACCC	ATATGTGGTT
	17461	TTCCCGGGCC	GTGGCGCAGA	GT	ATGTTAG	AAACCCACAA	AGTATTATGC
	17521	TCAGGTTCTT	GCCGCCAGTA	AACGGTATA	TCCGTTACAT	TTAAGACGTA	TATCCGAACC
	17581	ATCGAGTGTG	TCTGATCAGC	CGT	TTTAATCGA	CTGGGATCTC	CAATAGGGAC
	17641	AGGTATAGGG	AATTGGAAT	GTGCTGTTT	AACGGAAAT	TATT	TATCTG
55	17701	TGCAAGTCG	CATGTAATT	ATACAGAAC	ACCGTAAAC	AGTATAGCAC	CCGATACAAA
	17761	TAGACAGCGG	ACTTCTCGCG	TTT	TAGTCG	TCCAGACACG	GGTTGGATG
	17821	AAAAAACAC	TGTCTGGACA	TAGGCC	GGACGGTAGT	CCAGTGTGACC	CAACGTATCC
	17881	TGATCATTAC	ACCCGGATAA	AGGC	GGATA	TGAAGGTCCG	GTTGGGATG
	17941	AATGTTGAC	CAAAGATCGG	ATT	TACGTCA	CATAGAAAC	CAAGC
	18001	CGTATATGAA	AATATACCA	CCAAGGAAGT	GGGTTAAC	TCATCTTCAG	ACCTGGATGT

	18061	GGATAGCCTT	AACGGGTACA	CCTCCGGAGA	CATGCATACA	GACGATGACT	TATCACCAGA
	18121	TTTTATAACCC	AACGACGTTTC	CCGTTAGATG	TAAAACCACG	GTTACGTTTA	GGAAAAATAC
	18181	GCCTAAGAGT	CATCATTAAAG	TACAGCGGTT	AATAGATAGT	TATGGACTAG	GCACCTTGGC
5	18241	GGTCATTCC	ACAACCAGGT	TAAAATTGGG	GGATTGGGA	GAAAATAGTC	TATTGCGTAT
	18301	TTTCTGTTCA	ATAATTGGAC	TGCGTTATT	AAAGGCTGTA	TTGGTTGATT	GGGTTATAAA
	18361	AGGAATTACT	CCTTTAAATT	TTACTTAATG	TACCCACAAT	ATCAAGTGGT	CGTTTGTATT
	18421	TAACGATTAT	TACCGGTACC	ATGGGAGACT	TGTCACTGTT	GACAAAGGTG	CCGGGTTTTA
	18481	CGTTAACCGG	CGAACTTCAG	TACTTAAAAC	AAGTGGATGA	TATTTTAAGG	TATGGAGTTC
10	18541	GGAAACGCGA	TCGAACAGGA	ATCGGAACGT	TATCTTATT	TGGAATGCAA	GCTCGATACA
	18601	ATTTGCGAAA	TGAATTCCCT	CTTTTAACTA	CAAAGCGTGT	TTTTTGGAGG	GCCGTCGTGG
	18661	AAGAGTTGTT	ATGGTTTATC	CGCGGGTCAA	CCGATTCCA	AGAACTCGCC	GCTAAAGATA
	18721	TACACATATG	GGATATATAC	GGATCGAGCA	AATTCTAAA	TAGGAATGGC	TTCCATAAAA
	18781	GACACACGGG	GGACCTTGGC	CCCATTACCG	GCTTCCAGTG	GAGACATT	GGAGCGGAAT
15	18841	ATAAAAGACTG	TCAATCAAAC	TATTTACAGC	AAGGAATCGA	TCAGCTGCAA	ACTGTTATAG
	18901	ATACAATTAA	AACAAACCCA	GAAAGCCGAC	GAATGATTAT	ATCGTCTTGG	AATCCAAAGG
	18961	ATATCCCCTT	AATGGTACTA	CCTCCATGTC	ACACGTTATG	TCAGTTTAC	GTTGCAAACG
	19021	GTGAATTATC	CTGCCAAGTA	TACCAGAGAT	CGGGGGATAT	GGGCCTTGGG	GTACCGTTCA
	19081	ACATTGCTGG	ATATGCAC	CTTACCTACA	TAGTAGCGCA	TGTTACAGGA	CTTAAACCG
20	19141	GAGATTAAAT	TCATACAATG	GGGGATGCAC	ATATTACTT	GAATCATATA	GATGCTTAA
	19201	AAGTGCAGCT	AGCTCGATCC	CCAAAACCTT	TTCTTGCCT	AAAAATTATT	CGAAATGTAA
	19261	CAGATATAAA	CGACTTTAAA	TGGGACGATT	TTCACTTGA	TGGATATAAT	CCACACCCCC
	19321	CCCTAAAAAT	GGAAATGGCT	CTTTAATGGG	TTTTTAAATG	TTGTCAAGAC	AGTAGATGTG
	19381	TTGCGAATGT	AATAAAATGA	TATACACAGA	CGCGTTGGT	TGGTTTCTGT	TTATGAACAG
25	19441	CAACGGATGC	ATAGGGTTGC	GATAACTGCG	ATAAGACCC	ATGTCCCAAG	GATAGATATC
	19501	ACACCAATT	TAACGTCTAC	AACGGAAAAT	GTAGTGGCGT	AGGTAGATGC	ATCGTAGGTA
	19561	TAACCGGCG	AAAACGGAGG	GAATTTTTA	GGGTAACCAT	CTAGATGACA	CGAATAGGTG
	19621	ATAGGTCCGT	CGAGTTCCGA	TGTTGGACAA	GAACTTTGCA	TGTTACAAA	CCGTTTGT
	19681	TGATCACACA	CCCCAGTAA	CTCACTGTT	TCGTGTTAA	TGGGAGAA	GTTAACCCAC
30	19741	CATACGAAAT	GTACAACGCC	ACGTGGCACA	CATTTGCCG	TACATACTAT	GTGTCCATCA
	19801	ATAATACCTA	TAGACACGTT	GGGAAATGGG	TAGACGTCAG	GGGTAACGAC	AGCAGAATAT
	19861	TTCATATTAG	AGACGCCATC	CCGAATCCAT	AAAACATTAC	ATTGGATGGC	TGGGGGTGGG
	19921	TAATCCATT	GTTTTGCTG	TGGAATTCGT	ACCGCCGAA	CATAACTAAA	TAATCCATTG
	19981	GCATATTCTT	GTATTGCATC	GGTTATAAAA	TTTTTCCGA	TGTTACAAA	CCTTGAAGTC
35	20041	CACCGAACAC	GTACCGAGTG	CGGTGGATAA	TACTTTGATA	CGTTACAGTA	GGCTGCGTAT
	20101	GTCTGTCCGG	TTAAGACTGG	ATCGCCGACA	ACGGTAATAT	TTGGACGATA	ATACGTTGTA
	20161	ACTGTAATAC	TGTGTTCCGA	TATGACGTT	TTAGTTTTG	TATTAACGAC	TCGCCAAATA
	20221	TACGTTCCCT	CCGTTGCTAGC	ATCCATAGAT	AAAATTGTTA	CAGAAAAATC	AGACGTTGTT
	20281	TTAACATCTG	GTATTACATA	ATTTCCTTA	CGGTGTGTA	ATATCTCAGG	GTTGTTTATT
40	20341	AAGTTAAAT	CGGCACTGTT	GCTATATAAC	ATAACCGGT	AATCTGGCAT	GCGTATTAAC
	20401	GCATTGCCCA	GTTGACGGTG	CGGATCTATA	AGGTGACGCG	AAAACAAAC	TTCAATATGA
	20461	AGATCGGGGC	GTATAAGCGA	CTTCCACCTT	GTTATATTG	AACCTTCCGG	ATCTAAAGAA
	20521	TATTGTTCAT	ATGTTTTTG	TTGCTGCTTA	AAGGCCGCCT	GTTGTCGGGT	CGTTAGACGC
	20581	ATGTAACAAAG	GCATGATAAA	TGTGTAAAAA	TAGGGTATGG	ATTGTATTCC	GCCGTGAACG
45	20641	CATTGTATAT	TTTCATATAG	AAAAGGTGGT	TGTGAATGTT	GGGTGTTGGC	TGCGGGATCG
	20701	GGCTTTCGGG	AAGCGGCCGA	GGTGGGCGCG	ACGGCGGGAT	CGGGCTTTCG	GGTAGCGGCC
	20761	GAGGTGGGCG	CGACGGCGGG	ATCAGGCTTT	CGGGAAGCGG	CCGAGGTGGG	CGCGACGGCG
	20821	GGATCGGGCT	TTCGGGTAGC	GGCCGAGGTG	GGCGCGACGG	CGGGATCGGG	CTTTCGGGAA
	20881	GCGGCCGAGG	TGGCGCGAC	GGCGGGATCG	GGCTTTCGGG	AAGCGGCCGA	GGTGGGCGCG
50	20941	ACGGCGGGAT	CGGGCTTTCG	GGAAGCGGCC	GAGGTGGGCG	CGACGGCGGG	ATCGGGCTTT
	21001	CGGGTAGCGG	CCGAGGTATA	TAATTCA	AGACTTACGG	GTGTGGGTTG	AGATTCA
	21061	GATAATTGTA	TACACGCGAT	CGTTAAAATT	AAATTATT	GTATCCGCTT	CATCCTGGTT
	21121	TTTATTGACA	CATCCACGCT	CCCCTTA	AAAAGATTAA	ACACCCAC	GCGGAATTAA
	21181	AATGATGGAA	ACGTTTTT	CGACATTGGG	AATAATAAA	ACGGCTTTG	CAACTTAA
55	21241	AACTTATT	ATCTCGATTA	CGATACATAT	GTACCACATA	GATAGCATAG	ATTATTATA
	21301	ATATAAACAC	ACACGTGATA	TACTTGTAGT	ATATGAGATG	CCATAAAACA	GTCAATAGGT
	21361	TTAACGCTTA	GTCTCATCAT	CTGAATACAC	GTCAAACCCG	CCGCAACTGT	TGATGTTAGA
	21421	ATTATAATAG	CTCCCCATGA	AATGCCGGCA	AATGTTACAG	CTATACCCGT	CACCGAGGTC
	21481	GTTGTATATA	ATACAATTAC	CCATAGGTTT	TTTTTTCTT	GATATAAAAC	GGCAAAACCC
	21541	TGTAACCCAA	ATGCTATAAT	ATGACCTCCT	ATTGAAACTG	CTAACGTTAC	TTGTGTAAGT

	21601	TTGATAAAAT	GATTTAATTT	AATTATATGT	GAGATTGCC	ACATTAATGG	GGTAACTATA
	21661	TATAACACCG	GGGGTATAAC	AGACATTATA	CGAATTCC	TAAACACGCG	TTAACAGGTC
	21721	CGGGAACCTT	CTCGATGGTC	ACATACTCTC	CCGC	GGTCAT	TACAACGGCA
	21781	AAACCTAAAT	CTGTATAAGT	GTAAATTGC	TTATGGCGAT	TTTACGATA	TATACACGTA
5	21841	TCTTGCAAAT	CGGTGGCGGC	ATCGACAATT	GAAACTAGTG	TGACAATAGA	TATACACAAAT
	21901	CCAATAAGAA	CCTCATATT	ACTGACATAC	ATATATAAAA	TAACGGTTAG	TAAACCTCCC
	21961	AAACCAAGTTC	CCAACATCAT	AAACATAAAAA	TAAATATGCG	GTCCATTGAA	TGTCGTAACA
	22021	AAGTTGTAGT	AATGGATATG	CACAGCAGCC	ACTGTTCCGG	TAATCGCGGA	TATGGAAAAT
	22081	CCCAGTAATT	CTACAAATGG	AAGATCCCGG	GATATTGGGC	AACCAACCGC	CCATAACACA
10	22141	GCAAAACCCA	ACACGACCAC	CGTCTGCAA	CATCGTCCC	ATTTTGCTAA	TGTGCGTAGA
	22201	AATTTCACGG	ATGTTGCCA	TAACCCCGAA	ACGACGGATCA	ACCCCATAAT	AGTTGCATTG
	22261	ACGGCAGCTT	CGCAGACGTG	ATATTGTAAA	ATTAACCCGG	ACGTGATAAC	GCTTGCTTGT
	22321	AGTCCCACGA	GAAACAAACCG	CGATGCTGAG	GTTATTGAC	ACGAATTACA	TTCTTGAGGG
	22381	TTTCCGACAC	ATCCTGGAT	TGATTGAGCG	CGGATTAATT	CTCTGTCTAA	CACACCCAGG
15	22441	TTTCATCAT	GGACAGCTCT	TTCACCATT	ACGGCCATGT	CTTAAGTTA	ATAATTCAA
	22501	ACAAATAAAA	ATGTGTCAT	CTATGGTACA	CACAAGTTG	TATGTAAAAT	ATAAGCAA
	22561	GTTGCACTTA	TTTAACTGTA	CATATTACGT	CAGATTACG	TGATAATTCA	GAATAATCA
	22621	GGGTTCCCTGC	AGGGTCCACT	GGAGGAGGCC	CACAATATT	GCGAATTCCG	ATTCCCTCT
	22681	GCCATGTGGT	TCGGGGAGT	TTCCCCCCC	TTTATTTC	GGTATTTTT	TCGTTCTTT
20	22741	TTGTTAATAA	ATTGCGTC	TTTTTTAATG	GTGGTTCATC	CTTCACAGAT	TCCATGTTCG
	22801	CAAATAATTG	CATCGAGGTT	AATTTTTCTT	TAAGGTCTT	GGGACTTAAG	AACGTTGCAT
	22861	AAAAAAAAGA	ATGCACGGGT	GCAGAACGTT	GGATATACAA	TCCAACCATG	GGGGAGTTAG
	22921	TTAAGGCGAG	ATAAAAATT	ATATAACACG	TCTCATCCC	TGTTAACTTA	AGATTTGTA
	22981	CGGCAGAACG	GAATCCACTG	TGTGTTCCA	ATAATACTCC	AAATTCA	CGC ATACTCCC
25	23041	TGCCATAAAC	AACATTATTA	AGGATCCTT	TTGAATTG	GATTGAGCGT	ATTAAATTAT
	23101	ATGGTGTAGG	CTTGCTTCCG	TTTATATCCA	AGGAAACATT	AAATGAGATA	AAACCACCC
	23161	CGGCGGTCTG	GATGTACATA	TCCGTGGCTG	TTAGAATGAA	GCATGTTGTA	AACCCAAAAG
	23221	TTTTAAGTAG	TCGCTGTAAA	CGGGTGAATT	GATCGCGTT	TAAGCAAATG	CTTATATCTG
	23281	GAGTTAGATT	TGGAAACATC	ATTGTATAAC	AAGCGAGTTC	ACGTTTTACA	ACTTGTGTT
30	23341	AACATTGTAC	TTGATCATCT	GGACCACAAT	CACCCGGCG	TTGCCATACC	ATCGTTGGA
	23401	TAATACTCCG	CTCGGGGGT	TGTCCGGTAA	ATTAAAATA	TAACCGTGT	GGGGTCGACG
	23461	GATCTTTGT	ATGGC	AAAC GCGTCAATAA	GGCAGGACCG	TCCCTCCGTT	GCCGCGAGTA
	23521	CAACCATTCT	CGGCCAGTC	CAATTATACT	GGTC	AAACAT	ATAGGAATAT
	23581	ACAGTTGTT	TGTTTCCAAA	CTACAGTGA	TAATTAA	TTCGTCGCTG	AATATTAAA
35	23641	TAGAATCCCT	TAGTCTATT	ACCAAGAGGTG	ATATAGACGA	AATTAAACCA	GTAAGCGTT
	23701	TTTCCGTTAA	AACAGCTCTG	GGCATTTCTG	GGGCGTCAA	ACCCGCATGC	AATTCCATGT
	23761	CCAAAGCATC	GTCTGTACGC	GACCTCAAAT	CCATAATT	CTACTTAAA	TGTTTACTAT
	23821	AGAAAAAAGTA	ATCATATGTA	AAACACACGAG	TTTCGTTAAT	ATGTTTGT	AACCCGATCC
	23881	GGTGA	CTTAAAC	AGGCATGATA	TTTGAATAGT	ACGGCCCATG	GGAGGGAA
40	23941	TTTCACGTG	TTCCAATACA	GGGGGTGTT	CTTAATAGGG	ACTGTGCAAT	AAAATACGTA
	24001	AGAAGTTACC	AGATTTGATG	TAATGTTG	CATAAAAAAT	ATGTACATCA	TTATATACGT
	24061	CTGTAATTAA	CACAAGATCA	CATCGAAGAA	TTACTGAAGC	CGCTGTGAAA	CCTTCACAA
	24121	GACGATATAA	ACTTGGTTAA	GTGTATTGAT	GGGGCTCTT	GGACTGACAC	GCTTTATC
	24181	TGAACATAAA	CTGGTTAAAC	CCAGCATCAT	TTCAACGCCA	CCCGGAGTT	TAACCCCCGT
45	24241	GGCGGTAGAC	GTATGGAACG	TCATGTACAC	ATTGTTGGAA	CGTTTATACC	CTGTTGGTAA
	24301	ACGCGAGAAT	TTACACGGAC	CATCTGTAA	GATACATTG	CTTGGAGTCT	TATTGCGGCT
	24361	ATTAACACAA	CGGT	CATACT	ATCCGATATT	TGTATTGGAA	CGTTGTCAG
	24421	ATCACGTGGA	GCCAAGGCAA	TTATGTCACG	GGCCATGAA	CACGATGAAA	GGGGAAACCTC
	24481	GGACTTAAAC	CGTGTCTAC	TATCATCAA	CACATCATGT	TCTATCAAGT	ATAACAAAAC
50	24541	ATCGGAAACA	TATGACAGTG	TGTTTCGAAA	CTCTTCCACG	AGTTGTATT	CTAGCGAAGA
	24601	AAACAAATCC	CAGGATATGT	TTTGGACGG	TTGTCACGA	CAAAC	TGACGATC
	24661	CCTGCGC	GCAAACGTT	GCAGTCTTAC	CTCTACAT	CCATCCCAG	GACATCCTAA
	24721	CCATCGATTA	TATCACAAAT	TGTGTGCAAG	TCTTATTAGA	TGGATGGGGT	ATGCATACGT
	24781	CGAGGC	GGTT	GACATTGAGG	CGGACGAGGC	ATGTGAAAC	TTATTTCATA
55	24841	GGCTTGGTT	TATACGACAG	ATACTGATT	ACTCTCATG	GGCTGTGATA	TTTTGTTAGA
	24901	TGCAATTCT	ATGTTGCTC	CACTAGTACG	ATGTGCGAT	TTGCTTCAAT	ATTTAGGAAT
	24961	TACATACCC	GAATT	TTGGACGG	TTGTCACGA	ACCGATT	TGACAAAGTGA
	25021	CAACCTAAA	TCTGTT	TGCAAGTATTCA	GGATACCGGC	CTGAAAGTTC	CACATCAAAT
	25081	GGACACTTCA	ACGCGCTCCC	CCACTTACGA	CTCGTGGAGA	CATGGCGAGG	TTTCAAAAG

	25141	TCCTTACCGTA	GCCACGTCGG	GTAAAAACAGA	AAACGGAGTG	TCCGTTCCA	AATATGCATC
	25201	TAACCGATCG	GAGGTGACAG	TAGACGCCAG	TTGGGCTTTA	AACCTTCTGC	CACCCCTCATC
	25261	CTCCCCATTG	GATAATTGCG	AACGCGCATT	TGTTGAACAT	ATAATGCCG	TGGTAACTCC
	25321	ATTGACCCGC	GGTCGCTAA	AGTTAATGAA	ACGTGTAAAT	ATTATGCAA	ATACGGCAGA
5	25381	CCCATATATG	GTTATTAAACA	CCTTATATCA	TAACTTAAAG	GGGGAAAAAA	TGGCTCGCCA
	25441	ATACGCACGT	ATTTTTAAAC	AGTTTATTCC	TACTCCACTC	CCACTAAACA	CTGTATTAAC
	25501	AAAATATTGG	AATTAAAACA	CACATAAGAG	CGACTTAATG	GTTCATTGTT	TTATTTTGC
	25561	CGTATATACA	TGTTATAAAT	CGTTTATCAC	TGTGCCGCA	TAAGATGTAC	TGTGTCTCTC
	25621	AAAAAAATT	GTGTTTTAT	CTGCAATCAT	AAATGCAAGT	GGAAAGTCCG	AATCGGGAGG
10	25681	TGGGGTGT	AATAGTTTG	GTACATTAAT	CGCTGATAAA	AGCCTGTCCG	CGCTGAATT
	25741	CACGTATTGT	GTAATTGCAT	CGACGTTAC	CAAACGGGTT	TTGGGTGCAT	GGGATTTAA
	25801	AAACGCACAC	TCGATTC	CGGCTTCCGA	AAACAGTTGA	TGTATTCTGG	TGATAGCGGG
	25861	TTTTTCGGGT	ACATAGTTAT	TGTATATACA	ACACGATGCG	CTGGTATGTA	TGGCTTCATC
	25921	TCGGCTTATA	AGGTCGTTAA	ATTGACAAGT	TACAACAAAT	AGTCCGTTAT	TGCGTAAATA
15	25981	TGCAATAGCC	GCGAACGATG	ATACAAAAAA	AATGCCCTCT	ATAAGAATCA	TTAGTATATA
	26041	TTTTTCTGCA	ACGGATGGGT	TGTCCCGTAC	CTTTTCTTCC	AACCATTGTA	CTTTTTGTTG
	26101	GATCGACGGA	TTATTAATAG	TGACATTTAC	GTATTGTACC	CGCAACGATT	CATCCCCTCT
	26161	GAACAAACATT	AGTTGAATTT	GACTATAGAC	ACGCGCGTGG	ACAACCTCGA	TGCACTCTTG
	26221	TTCAATGTAG	TAATGGTGA	TATCCTTTG	GGAAAAGAGT	TGGGTTAGAG	AGCCCAAATT
20	26281	AACATTAC	AGATCATCTG	CCGCCGATAA	AAATGAAAAA	ATAAATCTGT	AGAATATTAG
	26341	TTCATCTTCC	GTTAAACAGT	CCAAGTATTG	ATAATCATCT	TCAATGATAA	AATCGTTTC
	26401	TAACCAACGA	TTCGAAATGC	TCAGGGCAGC	TAAATTGTTT	ATATCTGGAC	ACTCCGGCCT
	26461	GTAAAAAAA	TGACTGCAAT	CTTCTGATC	CATTTGGAA	TAGTTTCCCG	TGTAATTAA
	26521	TAAAGCACAA	CTGGTACAGG	TTAATTGCC	TCCCCGAAAC	AGTCCGCTGT	TCGTAGCTTT
25	26581	ACGAATT	CACTAGTACA	TACCCGTTT	AAGGCCGGCT	TTATAGGCAC	GTATAAGCAA
	26641	ATTCAATT	TTGGAGGC	GAATTGTC	GTCTGGCGT	TCCTCAATAA	ATAAAGTCAT
	26701	TGATTGACTT	TGGTCAATAA	ATGGCGCCCT	TTCTGCACAC	ATATCAACGA	GATCCTCTTG
	26761	CTCATATTCA	AACGCTTTT	TATATTAA	GAGTGGTGA	CTATTAGATA	AACAGCCAAA
	26821	CGAACGTATT	ACTGACCATT	GGTTTTCTC	AAGTATGTTT	ATAACTCCA	GTCGTTTTTC
30	26881	TTCACATGAA	TACATATCTC	TTAGTTCGTC	CATAAGGTCT	AAGTGGGTC	TAAGTAAC
	26941	ACCCGAGGTG	GTGACCTAC	TAACATATT	ATTATAAAATT	GGAGAGAAAC	CCTCACTGCA
	27001	CTCCGTTACC	TGTGAGATG	AAACTGTGGG	CATTAACGCT	AAGAACTCGG	AGTTGTATAA
	27061	CCCATAAGCG	CAAATATCAT	CTCGCAGGGT	ACACCATGGT	AAATCTAAAT	AACTTATCGT
	27121	AGAAAACCA	TCTTGGTGT	ACCATCCCTT	AGCATATTAA	CTTTCGGTAA	AACCCTTAA
35	27181	CGGGGCTAAG	CCGCCAATCT	TACACATTTC	CATGCTTGT	TTCATTGTCT	CATACAACAT
	27241	TAACCTCGCT	ATTGTACAT	TTAACCGTCT	AGCTGGTGG	GAAGTAAAT	CAAATCCTAA
	27301	GCGGAGACAA	GTTGTATGT	ACCCCTGTAT	GCCAATGCCA	AGTGTATCGG	TGTTTTTAC
	27361	ACCTTTACAT	GATTTTTAC	ATGGAAAGTT	CCCAGCCGCC	AGGACCCCGT	TTAAAAAAAT
	27421	AACAGTCGTT	CTTGCTGTCA	ATTGAAGGTC	GTTAAATTAA	AATGACACTG	GGCCTTTGGA
40	27481	TAAGCACGTT	GTAAGATTA	TGCTGGCAAG	ATTACATACG	CCATGTTGAT	GAGCGTCTGC
	27541	CTTTTGAAACA	ATTTCCGTAC	ACAAATTGA	CCCCGTGATA	GCATTTCCCT	GGGTATTCTAT
	27601	ATGATAATT	CGATTACAGG	CATCTTGTAA	CATTAAAAAG	GGGCTTCCTG	TTACAGCAGC
	27661	ACTGCGTATG	ATTGTGAATG	CGATATCTG	AATGGGAACA	GAAGAAACGC	CTAATCCTTC
	27721	TCTCTCTAA	CGTAAATAGG	TTGAAGTGA	TGCCTCCCCG	TGTAATGTC	GAAGGATATC
45	27781	GGCTCTGTT	TCAAAAAGAG	TCCACTGAAC	ATTACTAGCC	CCTTTAGAT	AGCTTAGGTA
	27841	TCTTC	AATAAATCTG	GGGCCATAAA	ACAACAAAAT	ATGTTATCAC	ATCGAAATAT
	27901	TTCATCACGA	ACCAACATTC	CACGTGTGGC	CAAACAGTT	TGTAGATCGA	CGTGCCTGG
	27961	TTCTATGTAA	ACACAAAATC	CAGTTGGTCG	TTCACAATCA	CTGTTAATTG	CCATAACCAT
	28021	GCAATCTAA	AGTTTTAA	CTGCAAGAAG	ACCTTCGTT	TGATTTTCG	TAGGTATTAA
50	28081	ATTCAGACTC	TGTAGAGAAA	TTCCCACTCC	ACCTCGACTT	TGTAATACCG	TTCCCATC
	28141	GCCTGTGATA	GCTCGAACAG	CTCTCCCAAC	AGTGTATGGAT	TCCGGGTCCA	TTAAATAACA
	28201	ACTGGCCGTT	GCCCCGGTCT	CTCGACCTAA	AAACATCATA	ACCGGGTGTAG	CCGGGACAAT
	28261	TTTC	TTCTGACAT	GCCAACGCTG	TGAAAAAATAC	CCGACAGACA	TCAGTCCATG
	28321	ATTTATTCCG	GGAATAAGAG	TTGCGATTTT	AGGCAGGTTT	ACGATTTCG	TTGTCACGGT
55	28381	GGCGGCCAGT	CTTAAAAGA	ATTGGCAAAG	CGACTCTAAT	TTACCTTCCT	CTAACTTAGT
	28441	TAAATAAAAG	TCTTCGTA	TTAAAGCAGA	CTGTAGTCCA	AGGGTAGCTA	AAGCGGGGTA
	28501	TTGATCTTC	AAAAACGGT	CTAATATAGC	CCGACGAATT	TGTCCTCTCC	GCCCTTCAAT
	28561	TGCTTGGCGG	ACTCGGGAG	TTAAACAGAG	AATTGGGAA	GTCAACCACG	TTTCATGGA
	28621	AACGGATCGT	AGGTTAACAC	GGCAATGGAT	AAGTTCTCCA	CAACATCGGT	ACACTCGCTC

	28681	ATCTTGTGCG	GTCACCGCCT	TAAGTTTGA	GACGATAGTG	CTAATATACT	CCATTAATTC
	28741	CACCGGTGTG	GTTGATTGCG	GCGGAATGAT	GTATTCCTTG	TAGCCATGTT	GACATAATCG
5	28801	GTTTATAATG	TCATGAACCG	TATTAAAAAT	TCTTTGAAC	TCCATAACGG	ATAACGTATT
	28861	TAGGCCTCCGG	AATAAACCTT	TAAACCCTAA	ACTCACAGCT	GAGTTAGTTC	TACAATATTG
	28921	TAGACTCCCT	TATATATGGT	TACGTACAGC	CTGCCCTCC	CCAGTATATA	ATATCACGCA
	28981	AAACCCACGC	TATGTTAAAT	TCAGTTTATT	TTACATACAT	GCTTTAATAA	TAACATTGCGT
10	29041	TCCATGTATT	TGTACCCCCC	CACACAACCC	CCTCTAACCA	AATAGTTGGC	ACGTTATAAC
	29101	CTCCGAACCG	TTCCATGCGT	CTTGTATAAC	GCACAGACTC	TGATGGAATT	GTTCCAATTA
	29161	ACGTATATGC	CGCATACATG	CAGGATAATT	GTGTGGGAAG	TCCCCGAAAA	TCGCCGGTCC
	29221	ATTGATAACAA	TCGCTGTCTA	GCCAAGTTCC	AATTTACTCC	TGTAATTTCG	CCAATACTAC
15	29281	ATCGAGGGCT	TGTCGGGTCA	TTGGATAACT	GCACAAGCGG	CAACGCCCTT	GTGTTATATG
	29341	GCTGGTGGGT	ATTTGCAACC	CCTTCAGTCC	CCCAGGCGGC	ATTTTCAGCT	CGTATGCGTC
	29401	CTAACAGGAA	GCCAATACCA	CGACCAAAAC	ATTGTTCGTT	TAGTTGGCTT	AATGCAAGAT
	29461	GCAGTCTTAC	ACCTTCTCGT	TGGCGTCGCT	GTGTATATAC	AAAAACCAAG	AACACATGCT
20	29521	TCAGTCCGTC	CGCGGAAAGA	TGTAATCTT	TGTCAACGTC	CCAAAATACG	CAGGCCGGGA
	29581	TGTTGGCTGT	GACCCTGCGA	GTTGAAGTTT	TGTCTGTACG	TGCAGCTTCT	TGGGGACCTT
	29641	TGGCCACGGC	GGTTATATTG	CATAAATTAT	CCTGAATGGT	ATATTCCAGC	AGGGACCCAA
	29701	AAAAACTTAT	AAATCGATGT	GGAAATACAT	GACATTGTAC	CATCGCACGT	AAACACTCCG
25	29761	AAAACCTTAT	GAGCCGCGTT	TCCATACGAC	TGCATCCATA	GGCAGAAACA	ATTGCTGTC
	29821	TGTTGGCATC	CGCTGCCGTG	TTATCCGTAT	ATTCTCTGTC	CCGGCATGCG	GCGATGAAAC
	29881	TTAAATGACGT	TACATATGCT	CTAAGCCCCC	CACCTCTCC	AACGGTCCAA	GGAGCCGTGC
	29941	AGGCATTGAA	TAGGTTTCGT	AAACCCCTCA	GTAGTACATC	GGGGTCACGT	CCAGCCTGTG
30	30001	TAAGTGTATT	AGCTTCTCCA	ATCATGTCAG	ATGGATGACG	AAGGATTAAG	ACGATTGACC
	30061	CAGCATGCTC	AATGTCCGGA	CGAAAAAAAT	CGGTTAATGA	CACTTGTIGG	ATTAGCTGTC
	30121	TCGTTGATTT	AAAATTATTT	AACGGGAGTC	TAATGTAAC	TTGCGGGTTA	CCAATTGAAAG
	30181	TTGGATTTAT	TTGAATGTTG	TTCATACGAT	TAATAACAAT	TGAACGGGGG	GTTACTTGA
	30241	TAGACCGGGT	TTCTGTACGT	TTTGGTGGTA	CATGTATCGG	TTGTTTGTTC	AGACCTCCAA
	30301	AGCGAGGGCC	AATTGTTAAA	TCGCGACTCC	AATTTCCGAA	GAAGCCCGGA	GCATAAGTCA
	30361	TATGAAGCCC	GTTCCCTATT	TGAATAAAAC	GGTTATTTCC	AAAAAGACTG	ATATTAGTTC
35	30421	CACATAGCGT	TTGTTCGTTT	AAAGTAAAAT	GCGAGTTGGT	TGGTTGACTC	CCCATAGCTG
	30481	AGGGGTTAAA	TTCACACAAAT	GCAATCGTGA	CGTGGTACTA	TCTGAAATGT	TGCCTGGGGT
	30541	ATGTGTACAC	ATTATACAGT	CGTAGTACCG	TTTATATAAT	GTTAGGTAGG	AGGAGCCTAT
	30601	AAAAATATTT	TGATTGGCGT	TAAGAGTTTC	TTCAACTTAC	CGTGACGTCC	TTTTTATTAA
40	30661	CATCGTTTT	TATTGATGTT	ACATTTATGT	CTTTTCATTTC	CGGACGGATG	TAGCTTTTTC
	30721	ATATCACGTT	ATAAAGTAA	GTCAGCGTAG	AATATACCAT	GGAAGAACCA	ATTGTTATG
	30781	ATACACAAA	ACTTTTGAGAT	GATTTAAGTA	ACTTGAAGT	ACAAGAACCG	GACAACGAAA
	30841	GACCATGGTC	ACCAAGAGAAA	ACAGAAATCG	CCAGAGTTAA	GGTAGTTAAG	TTTTTACGAT
	30901	CTACCCAGAA	AATTCCAGCT	AAACATTTTA	TTCAGATATG	GGAACCCCTG	CATTCTAATA
45	30961	TCTGTTTGT	ATATTCCAAT	ACATTTTG	CGGAGGCTGC	TTTCACGGCC	GAAAATTAC
	31021	CCGGACTGTT	GTTTTGGAGA	CTAGATCTAG	ACTGGACGAT	AGAGGAGCCA	GTTAATAGCT
	31081	AAAAAAATTT	AAACCCAGCTA	TCAAGTGTAG	TACAAGATTC	CGAGACGTTA	CATCGTTTAT
	31141	CGGCCAATAA	ATTACGAACC	TCGTCTAAAT	TTGGACCCGT	TTCGATACAC	TTCAATTATAA
	31201	CGGACTGGAT	AAATATGTAC	GAGGTGCGCT	TAAAGGATGC	ACAACACGCC	ATTGAATCAC
50	31261	CATTCACTCA	CGCTCGTATT	GGAATGTTGG	AAAGGCCAT	TGCAGCTTAA	ACACAACATA
	31321	AATTTCGAT	CATTTACGAT	ATGCCATTG	TTCAAGAGGG	GATTGTTGTT	TTAACACAAAT
	31381	ATGCAGGATG	GCTTCTTCCG	TTTAATGTTA	TGTGGAATCA	GATTCAAAAT	AGCTCACTCA
	31441	CTCCTCTAAC	ACGAGCCCTT	TTTATAATCT	GTATGATTGA	TGAATATCTC	ACGGAAACGC
	31501	CAGTACATAG	CATATCAGAA	TTATTTGCAG	ATACTGTAAA	TTAATTAAA	GATGAGGCGT
	31561	TCGTATCCAT	CGAAGAACG	GTAACGAATC	CACGAACGGT	GCACGAGTCA	CGAATTTCCT
55	31621	CAGCTCTGGC	TTATCGAGAC	CCTTATGTTT	TTGAGACATC	CCCGGGAAATG	CTTGCTAGGA
	31681	GAATTAGATT	AGACAATGGT	ATATGGAAA	GCAACCTCTT	ATCGTTGTC	ACCCCCGGAA
	31741	TTCATATTGA	GGCGCTGTTA	CATTTACTAA	ACTCCGACCC	GGAAAGCGGAA	ACCACATCTG
	31801	GAAGTAATGT	AGCAGAACAC	ACCCGTGGCA	TTTGGAAAAA	GGTTCAAGGCT	AGTACATCGC
	31861	CTAGTATGTT	AATAAGCACC	CTTGCCGAAT	CCGGGTTTAC	AAGATTTCA	TGCAAATTGC
	31921	TACGTCGGTT	TATTGCTCAC	CACACACTCG	CCGGTTTAT	TCACGGAAGC	GTTGTAGCAG
	31981	ACGAGCATAT	TACAGATTT	CAACAAACAC	TAGGATGTCT	CGCTTTAGTG	GGTGGACTGG
	32041	CATACCAATT	AGTGGAAACG	TACGCTCTA	CTACCGAGTA	TGTGTTAAC	TATACACGGA
	32101	CAGTAAACGA	GACCGAAAAA	CGGTATGAA	CGCTATTAC	CGCCTTAGGA	TTACCAACCGG
	32161	GAGGCCTGGG	ACAAATTATG	CGGCCTGTT	TTGCTCCACG	ACCCCTTATT	GAAAGTATAAC

	32221	AAGCGACACG	CGTAATACTA	CTTAATGAAA	TTTCACATGC	AGAAGCT Z AGA	GAGACAACAT
	32281	ATTTTAAGCA	AACACATAAT	CAATCCTCAG	GTGCGTTATT	ACCACAA G CA	GGACAAAGTG
5	32341	CCGTACGCGA	AGCCGTACTA	ACCTGGTTTG	ACCTACGTAT	GGATTCA Z AGA	TGGGGTATTA
	32401	CTCCCCCGGT	GGATGTGGGT	ATGACACCTC	CTATTGTGT	TGATCCA C CG	GCTACAGGGT
	32461	TGGAAGCTGT	CATGATAACA	GAAGCACTAA	AGATTGCATA	TCCTAC C GA	TATAATCGCT
	32521	CTAGCGTGT	TGTGGAACCG	TCGTTTGTGC	CTTATATTAT	TGCAACA Z AGC	ACGCTTGATG
10	32581	CCCTTCGGC	AACAATAGCT	TTGTCTTTTG	ATACACGGGG	AATACAG C AA	GCCTTGTCTA
	32641	TTCTTCAGTG	GGCTCGCGAT	TATGGATCCG	GAACCGTGCC	CAATGCA Z GAT	GGATATCGCA
	32701	CAAAACTATC	TGCTCTTATA	ACAATATTAG	AACCTTTAC	CCGTACA C AC	CCCCCAGTAC
15	32761	TTTTACCATC	TCACGTTTCT	ACTATAGATT	CCCTTATATG	CGAACCT C AT	CGGACTGTTG
	32821	GCATTGCCGT	TGACCTGCTT	CCCCAGCACG	TCCGTCCTT	GGTTCT C GAC	CGTCCTTCTA
	32881	TTACAAATAG	CGTTTTTTA	GCAACTCTCT	ATTATGATGA	ACTTTAC C GGT	CGTTGGACCC
	32941	GAETGGATAA	AACATCGCAG	GCGTTGGTTG	AAAATTTAC	ATCCAAC C GCG	TTAGTGGTTT
20	33001	CTCGGTACAT	GTAAATGTTA	AAAAAATTTT	TTGCGTGTG	TTTTTAT C CA	ACGCCAGATC
	33061	TTCAGGCTGT	TGGTATCTGT	AACCCAAAGG	TTGAACGCGA	TGAACAA T TT	GGGGTATGGC
	33121	GTTTAAACGA	TCTTGCTGAT	GCGGTTGGTC	ATATTGTTG	GACAATA C AA	GGAATCCGAA
	33181	CGCAAATGAG	AGTGGGAATA	TCCAGCCTGC	GCACAATTAT	GGCCGAT C GCT	TCCTCAGGCC
25	33241	TTAGGGATG	TGAAAATT	ATGACTAAAA	CCTCCACTTC	TGCTATT C GGG	CCTCTTTTTT
	33301	CAACGATGGC	TTCCCGGTAT	GCACGGTTTA	CACAGGATCA	AATGGAC A ATT	TTAATGCGTG
	33361	TTGACAAACT	AACAAACAGGA	GAAAATATAC	CCGGTCTTGC	AAATGTA Z GAG	ATTTTTTAA
	33421	ATAGGTGGGA	ACGAATAGCA	ACAGCTTGT	GGCATGCCAC	GGCAGTC C CG	TCGGCCGAAT
	33481	CTATTGCAAC	CGTGTGTAAT	GAATTGAGGC	GCGGTTAAA	AAATATA C AA	GAGGATCGTG
	33541	TAAATGCC	AACCTCATAT	ATGAGTCACG	CCCGAAATCT	GGAAGAT C AC	AAGGCAGCAG
30	33601	TTTCATTGCGT	TATGGACTCC	AGGCAACACGT	TTATTGTTG	TTCTGGA C CT	CAGATGGCG
	33661	CGGTTTAAAC	TTCACAAATGT	AATATAGGAA	CATGGGAGAA	TGTAAAT C GA	ACGTTTTTAC
	33721	ATGATAATGT	AAAATAACG	ACAACGGTCA	GAGACGTAAT	TTCAGAG C GCT	CCGACGCTGA
	33781	TAATAGGACA	AAAGATGGCTT	CGTCAGATG	AGATTTTATC	TAATGTA Z GAT	TTGCGTCTTG
	33841	GCGTACCCGG	GAATACAAGT	GGGAGTGACC	CTTAATATAA	AACAGGC C GTG	TTTATGTACA
35	33901	TTAAAGTATT	TGTGGTTTTT	ATTGACTGGG	CGTTTCGTT	GTATAAC C GCT	GTGTTGCTA
	33961	GTATTTTCAT	AACCTCCTAG	GTGTTTGGAG	CTACACGTG	TTATTCA Z ACG	CTCTTGGGA
	34021	TTTGAATCAT	CGTAAACGTA	GCGTCCCTAC	CAGTTGAGCG	CGTAATT T TC	GTAAGCAATA
	34081	AAATGGATAT	AATTCCGCT	ATAGCTGTCA	CTGTTGCGGG	AGTGGGA C AGC	CGTAATCAAT
	34141	TTGACGGTGC	CCTGGGACCG	GCGTCAGGTC	TGTCATGTT	AAGAAC T CT	TTATCGTTTT
40	34201	TGCATATGAC	ATATGCGCAT	GGAATTAAATG	CAACCCGTG	ATCAGAC A ATG	ATTGATGGAT
	34261	GTTTACAAGA	GGGTGCAGCA	TGGACTACGG	ATCTGTCTAA	TATGGGG A GG	GGTGTCCCAG
	34321	ATATGTGTG	TCTTGTGAT	CTCCCCAATC	GAATTTCATA	TATTAA Z CTG	GGGGACACTA
	34381	CCAGTACGTG	CTGCGTTTTG	TCTAGAAATAT	ACGGCGATAG	CCATT T TTT	ACCGTTCCAG
	34441	ACGAGGGTTT	TATGTGCA	CAAATTCCCG	CTAGAGCGT	TTTCGAT C GAT	GTGTTGGATGG
45	34501	GACGTGAAGA	GTCGTATACA	ATTATAACTG	TAGACTCAAC	GGAATG C GCC	ATCTATCGTC
	34561	AGGGAAACAT	ATCTTTTATT	TTTGATCCAC	ATGGCCATGG	GACTATA Z GA	CAGGCTGTAG
	34621	TTGTTGGGT	GAATACCACG	GATGTGTACT	CTTATATCG	ATCGGAG T TAT	ACCCACCGCC
	34681	CCGATAACGT	AGAATCCCAA	TGGGCCGCTG	CATTAGTTT	TTTGTC A CC	GCAAACGACG
	34741	GTCCCGTAAG	CGAAGAACGCG	CTATCTTCGG	CAGTAACGCT	TATATAC C GA	AGCTGTGATA
50	34801	CATATTTCAT	AGATGAACAA	TATTGCGAAA	AACTGGTTAC	AGCTCA A CAT	CCGTTGCTTC
	34861	TTTCACCTCC	TAATTCCACG	ACAATTGTGC	TTAATAATC	GTCTATA Z GT	CCTCTTCACC
	34921	AAAACGTTGG	TGAAAAGTGT	TCCTTGGAG	CAACCCCTACA	TTCAACG T TTA	ACCAACACGG
	34981	TTGCACTGGA	CCCTAGATGT	AGTTACAGCG	AGGTTGATCC	TTGGCAT C GCG	GTTCTAGAAA
	35041	CAACCTCGAC	TGGGTCTGGC	GTGTTGGATT	GTCGTCGTAG	ACGCCG T CCT	TCATGGACTC
	35101	CTCCTTCAAG	CGAGGAAAAT	TTAGCTTGT	TCGACGATGG	CTTGGTA A AT	AATACACATT
55	35161	CCACGGATAA	TTTACATAAA	CCCGCTAAAA	AGGTTCTCAA	ATTAAA C CA	ACTGTAGACG
	35221	TGCCGGATAA	AACACAAGTG	GCACATGTAT	TACCCCGCCT	ACGGAGAA T TT	GCTAACACCC
	35281	CAGACGTTGT	GTAAATGTA	TCCAATGTAG	ATACGCTGA	ATCCAG T CCC	ACTTTTTAC
	35341	GGAACATGAA	TGTAGGAAGC	AGTTGAAAG	ATCGGAAGCC	ATTCTCA T TTT	GAACAGAGTG
	35401	GTGATGTCAA	CATGGTTGTC	GAAAAACTAC	TACAACATGG	GCATGAA A ATT	AGCAATGGAT
	35461	ACGTACAAAA	TGCGGGGGGT	ACGTTGGATA	CTGTTATTAC	CGGTCA Z ACA	AATGTTCCCA
	35521	TTTGGGTAAC	AAGGCCCTG	GTTATGCCAG	ACGAAAAGGA	TCCATTG C GAG	CTTTTTATTA
	35581	ACCTCACCAC	TTTGCCTTTA	ACGGGATTG	TGGTGGAAA	TGGAAC A CGT	ACACATCATG
	35641	GTGCTACAAG	CGTTGTATCA	GACTTTATAG	GTCCCCTG	GGAAATT T TA	ACAGGATTTC
	35701	CCTCCGCCGC	GGAACATTATA	CGCGTTACAA	GTGATATT	AACAAAC A ATG	CCGGGGGC

	35761	AATATGCTAT	TAAAAGTGT	CTCCGGAAAA	AATGTACAAT	TGGCATGCTC	ATTATCGTA
	35821	AGTTGGTCT	AGTTGCCATG	CGGGGTCAGG	ATACAACCGG	CGCTTTACAT	GCCGAACCTAG
	35881	ATGTGTTAGA	AGCGGATCTA	GGAGGTTCGT	CGCCCATA	CCTCTATTCT	AGACTGTCGA
5	35941	CAGGTCTTAT	AAGTATACTA	AATTGCGCTA	TTATTCTCA	TCCC GGACTT	TTTGC CGAGC
	36001	TTATTCCAAC	CCGTACAGGG	TCCCTGTCTG	AACGAATACG	TCTTCTTGT	GAATTAGTCT
	36061	CGGCCCGGG	GACACGCTAT	ATGCGTGAAC	ACACCGCGCT	TGTTTCTAGT	GTAAAGGCTT
	36121	TAGAGAACATG	ATTACGGTCT	ACCCGCAATA	AAATTGATGC	CATTCAAATA	CCAGAACGTC
10	36181	CCCAGGAACC	CCCGGAAGAA	ACCGACATTC	CACCCGAAGA	GTAAATTCGG	CGTGTATATG
	36241	AGATACGATC	CGAAGTTACA	ATGCTATTGA	CCTCGGCTGT	TACAGAATAC	TTCACCCGCG
	36301	GAGTGTTATA	TAGCACACGG	GCCTTGATCC	CTGAACAATC	CCCTAGGC	TTTCGGGTCG
	36361	CGACCGCAAG	TACGGCACCC	ATTCAACGGC	TTTTAGATT	TCTTCCGGAA	TTCGACGCTA
15	36421	AATTAAACGGC	AATCATATCG	TCCCTGTCTA	TACACCCCTCC	TCCTGAGACT	ATACAAAATC
	36481	TCCCCGTCGT	ATCTCTGTTA	AAAGAGCTT	TTAAAGAAGG	GGAAGATT	AACACAGACA
	36541	CGGCTCTCGT	ATCGTGGTTA	TCTGTAGTCG	GGGAAGCTCA	AACCGCAGGT	TACTTATCCA
	36601	GACGAGAGTT	CGATGAATTA	TCACGTACAA	TTAAAACCAT	TAATACACGC	GCAACGCAAC
	36661	GGGCTTCCGC	GGAAAGCAGAG	TTGTCTTGCT	TTAATACGCT	AAGCGCGGCC	GTAGACCAAG
	36721	CCGTAAGGA	CTATGAAACA	TATAACAATG	GTGAGGTCAA	GTATCCTGAA	ATAACACGGG
	36781	ATGATTATT	AGCAACAAATT	GTACGTGCTA	CAGACGATT	GGTGCACAG	ATAAAAATT
20	36841	TAAGTGATCC	AATGATCCAA	TCCGGTTTAC	AACCTTCGAT	TTAAAGACGA	TTGAAACAA
	36901	GGCTTAAAGA	GGTTCAGACG	TATGCAAACG	AGGCCGAAAC	CACACAGGAC	ACAATAAAGA
	36961	GTCGAAACAA	GGCGGCATAT	AATAAACTCG	GGGGGTTACT	TCGCCCGGTA	ACCGGTTTG
	37021	TGGGACTTAG	GGCTGCAGTA	GATTTATTAC	CGGAACCTGC	TTCTGAGTTA	GATGTCAAG
	37081	GAGCCCTGGT	AAATCTCAGG	ACCAAAGTCT	TAGAGGCGCC	GGTAGAGATC	CGTTCTCAAC
25	37141	TTACGGGTGA	TTTCTGGCG	TTATTTAAC	AATATCGAGA	CATTTTAGAA	CATCCCGGAA
	37201	ACGCACGCAC	ATCTGTCTTA	GGAGGACTGG	GAGCTGTTT	TACAGCTATT	ATCGAAATTG
	37261	TGCCGATACC	TACGGAGTAT	AGACCATCAT	TGCTTGCGTT	TTTTGGTGAC	GTGGCAGATG
	37321	TGCTTGCATC	CGACATCGCG	ACCGTATCTA	CTAACCCGGA	AAAGTGA	GCTAACACG
	37381	CTGTTGTTGC	AACTCTTAGT	AAAGCGACGT	TAGTTTCATC	TACAGTGC	GCCTTATCCT
30	37441	TTGTGTTGTC	GTATATATAA	AAATATCAGG	CTTACAACA	AGAAATTAG	AATACCCATA
	37501	AGTTGACTGA	ATTACAAAAA	CAACTTGGAG	ATGACTTCTC	CACCCTAGCT	GTCTCATCTG
	37561	GACACTTGAA	GTTTATATCA	TCTTCAAATG	TAGATGATTA	TGAAATAAAC	GATGCGATAT
	37621	TATCAATACA	AACAAATGTG	CACGCCCTAA	TGGATACGGT	AAAACTTGTT	GAAGTTGAAC
	37681	TGCAAAAGCT	ACCCCCCAT	TGTATTGCTG	GGACATCTAC	CTTATCTCGA	GTAGTAAAGG
35	37741	ATCTTCATAA	ACTCGTCACA	ATGGCACATG	AGAAGAAGGA	ACAGGCAAA	GTGTTAATTA
	37801	CCGATTGTGA	ACGTGCACAT	AAACAAACAA	CGACTGGGT	TTTGTATGAG	CGTTGGACAC
	37861	GTGATATTAT	AGCATGTCTG	GAGGCAATGG	AAACCGGCCA	TATATTTAAC	GGGACAGAAC
	37921	TGGCACGGT	CGCAGATATG	GGCGCTGCG	GGGGGTTGA	TATACACGCA	GTTCACCCAC
	37981	AAGCACGTCA	GGTTGTAGCG	GCATGTGAAA	CTACAGCCGT	TACGGCATT	GATACTGTGT
40	38041	TTCGCCACAA	TCCATATACC	CCCGAAAATA	CAAATATTCC	ACCACCTTG	GCTTTGTTAA
	38101	GAGGGTTAAC	ATGGTTTGAT	GATTTTTCGA	TTACGGCTCC	CGTATTCA	GTTATGTTTC
	38161	CAGGTGTTAG	TATTGAGGGA	CTCCTTCTGC	TTATGCGTAT	TCGCGCGGTT	GTGTTATT
	38221	CCGCCGATAC	GTCTATTAAAT	GGAATACCTA	ACTACCGAGA	TATGATATT	CGAACCTCGG
	38281	GGGATCTATT	ACAAATACCC	GCATTGGCTG	GGTATGTTGA	TTTTTACACA	CGGTCTTATG
45	38341	ATCAGTTTAT	AACCGAAAGT	GTAACTTAA	GTGAACTTAG	AGCAGACATC	AGACAGGCTG
	38401	CCGGGGCTAA	ACTTACAGAA	GCAAATAAGG	CTTGGAGGA	AGTAAC	CAT GTTTC
	38461	ACGAAACGGC	TAAACTTGCA	CTTAAAGAAG	GTGTCTCAT	TACATTACCA	AGCGAAGGTT
	38521	TATTGATTG	GGCTATAGAG	TATTTTACAA	CTTCGATCA	AAACAGATT	ATAGGAACGG
	38581	CATATGAAAG	AGTTTACAA	ACAATGGTAG	ACCGCGATCT	AAAGGAGGCC	AAACCGAGGC
50	38641	TTGCACAGT	TCGTATGGTG	TGTCAGGCAA	CAAAGAACCG	TGCAATACAA	ATTTTACAAA
	38701	ACATTGTTGA	TACGGCCAAT	GCCACTGAGC	AACAAGAAGA	CGTGGATTTC	ACTAACCTGA
	38761	AGACGTTATT	AAAACAAACC	CCCCCTCCCA	AAACAAATTG	ATTGGCCATT	GATAGATCTA
	38821	CTTCGTTCA	GGACATTGTC	ACCGAGTTTG	CATTGCTGTT	AGGGCGCTG	GAAGAAGAAA
	38881	CTGGTACGTT	GGACATTCA	GGGGTTGACT	GGATGTACCA	AGCTCGCAAT	ATTATTGACT
55	38941	CCCATCCACT	AAGTGTGC	GTAGACGTTA	CCGGCCCCCT	GCATACTTAT	AAAGATAGGG
	39001	TGGATAAAACT	TTATGCGTTA	CGAACTAAAT	TAGATCTCCT	ACGACGACGA	ATAGAAACCG
	39061	GTGAGGTTAC	GTGGGACGAT	GCATGGACAA	CATTAAAAG	AGAAACGGGG	GATATGTTGG
	39121	CATCGGGGG	CACGTACGCT	ACTTCCGTAG	ATAGTATAAA	GGCACTCCAG	GCATCGCGT
	39181	CTGTGGTTGA	CATGCTTGT	TCCGAACCCG	AATTTTTTT	ATTGCCTGTG	GAAACGAAAA
	39241	ACCGTCTCCA	AAAAAAGCAA	CAGGAACGTA	AAACGGCGTT	GGATGTTGTG	TTGCAAAAC

	39301	AAAGACAGTT	TGAAGAGACC	GCGTCTCGCT	TACGAGCTTT	AATTGAACGT	ATTCCAACGG
	39361	AGAGTGACCA	TGACGTTCTT	CGTATGTTAT	TACGTGATTT	CGATCAATT	ACACATTG
5	39421	CTATATGGAT	AAAAACACAG	TATATGACAT	TTCGAAATT	ACTCATGGTA	CGGTTAGGCT
	39481	TGTATGCAAG	TTATGCTGAG	ATTTTTCCAC	CCGCGTCTCC	AAACGGAGTA	TTTGCTCCTA
	39541	TTCCCGCCAT	GTCGGGTGTA	TGTCTAGAAC	ACCAATCCCC	ATGCATTCGC	GCGCGGGTGG
	39601	CCGCGTTTAT	GGGGGAGGCG	TCTGTGGTGC	AAACGTTAG	GGAAGCCAGA	TCTTCTATAG
	39661	ACGCTTTGTT	TGGAAAAAAAT	TTAACCTTT	ACTTGGATAC	TGATGGGGTT	CCACTTCGAT
10	39721	ATAGAGTGTG	TTATAAATCA	GTGGGGTTA	AACTTGGAAC	CATGCTATGC	AGTCAGGGTG
	39781	GATTATCTT	ACGACCGGCA	CTTCCCGATG	AAGGTATTGT	GGAAGAAA	ACTATACGG
	39841	CATTACCGGT	GGCCAATGAG	GTCAATGAGC	TACGCATTGA	ATACGAATCC	GCTATAAAAT
	39901	CCGGGTTTTC	TGCTTTTCC	ACCTTTGTTA	GGCATCGCCA	CGCCGAATGG	GGTAAAACCA
	39961	ACGCACGCG	AGCCATTGCA	GAGATATACG	CCGGCCTTAT	AAACAACA	TTGACACGAC
	40021	AATACGGGGT	TCATTGGGAC	AAGCTTATT	ATTCTTTGA	AAAACACCAC	CTAACCTCTG
	40081	TAATGGGCAA	TGGACTAAT	AAACCAATCC	AGAGAAGGGG	TGATGTACGC	GTATTAGAGT
15	40141	TAACCCCTATC	TGATATTGTA	ACTATTTGG	TTGCCACAA	CCCGBTACAT	CTTCTCAATT
	40201	TTGCTAGATT	GGATTTAATT	AAACAGCATG	AGTATATGGC	CCGTACCCCTC	AGACCCGTAA
	40261	TCGAGGCCGC	ATTTAGAGGT	CGTTTACTCG	TTCGCTCATT	GGATGGAGAC	CCGAAAGGCA
	40321	ATGCCCGGGC	CTTTTTAAT	GGCGCCCAT	CCAAACATAA	ACTCCCGTTA	GCTCTTGGAT
	40381	CAAACCAAGA	TCCTACCGGC	GGGAGAATAT	TTGCATTTCG	GATGGCAGAT	TGGAAACTTG
20	40441	TTAAAATGCC	ACAGAAAATA	ACGGATCCTT	TTGCGCCATG	GCAACTTCC	CCCCCCCG
	40501	GGGTAAAGGC	CAATGTGAT	GCAGTTACCC	GTATAATGGC	AACAGATCGT	CTTGCAGCCA
	40561	TTACTGTACT	TGGGCGCATG	TGTCCTCCGC	CAATTCCCTT	AGTGTCAATG	TGGAATACGC
	40621	TGCAACCGGA	GGAATTGCGA	TACAGAACAC	AAGATGATGT	GGACATTATA	GTTGATGCGA
	40681	GACTGGATT	GTCATCCACG	CTTAATGCAA	GATTTGATAC	CGCTCCCG	AATACACAGT
25	40741	TAGAGTGGAA	TACAGACCGT	AAAGTAATT	CAGATGCTTA	TATTCAAACC	GGGGCAACGA
	40801	CAGTTTTAC	AGTAACGGGG	GCGGCACCAA	CTCACGTTTC	TAATGTAA	GCCTTGACA
	40861	TAGCAACTAC	GGCTATT	TTTGGGGCTC	CTTTGGTTAT	TGCCATGAA	CTTACATCCG
	40921	TTTTTTCACA	AAATTCCGGA	CTTACTTTGG	GGTTAAAATT	ATTGATTCC	CGGCATATGG
	40981	CTACAGATT	GGGTATATCC	TCAGCCGTAT	CTCCCGATAT	TGTTTCTTGG	GGGTTACGTT
30	41041	TACTGCATAT	GGATCCTCAC	CCAATTGAAA	ATGCATGTTT	AATTGTCAA	CTAGAAAAC
	41101	TGTCCCGCCT	CATTGAAAC	AAACCTCTTA	AAACAAATCC	CCCGBTTTA	CTGCTATTGG
	41161	ACGAACATAT	GAATCCCTCT	TATGTTTTAT	GGGAACGAAA	AGACTCGATT	CCAGCTCCGG
	41221	ATTATGTGGT	CTTTGGGGG	CCAGAACTC	TTATTGATTT	CCCGTACATC	GACTCCGATG
	41281	AGGACTCTT	CCCCTCGTGT	CCCGATGATC	CATTTTACTC	GCAAATTATT	GCCGGTTATG
35	41341	CGCCCCAAGG	CCCCC	CTCGACACAA	CTGATT	CCCAACGGAG	CCACTATT
	41401	AGTCTCCCGT	TCAAGTTGTT	AGAAGTTCCA	AATGTTAAA	ATGCCCGTC	CGGCCCGC
	41461	AGCCCGCGCA	GCCCCGCGCAG	CCCGCGCAGAC	CGTCCAGCCC	GCGCAGCCC	
	41521	TAGAACCGGG	CACACAAATA	GTGGTACAAA	ATTTAAGAA	ACCCCAAAGC	GTAAAAACAA
	41581	CCCTTAGCCA	AAAAGATATT	CCCTTGTATG	TGAAACCGA	ATCAGAAACG	GCTGTGCTTA
40	41641	TACCTAAGCA	ATTAACCA	TCCATTAAA	CAACCGTTG	AAAAGTATT	ACCCACAA
	41701	ATAACCAATT	GTCGGATTG	AAAAATAATC	CACAGAAAAA	CAAACGTTA	AACCAAGCGT
	41761	TCAGTAAACC	AATACTTGAG	ATTACCTCA	TTCCGACAGA	TGACTCGATA	TCTTACCGGA
	41821	CTTGGATTGA	AAAATCAAAT	CAAACACAAA	AACGGCATCA	AAATGACCC	CGAATGTATA
	41881	ACTCCAAAAC	AGTATTCCAC	CCTGAAATA	ACCAATTACC	TTCTTGGGTT	GACACGGCAG
45	41941	CCGATGCC	CCAAACGGAC	CTATTGACAA	ACTATAAAAC	AAGACAGCCG	TCGCCAAACT
	42001	TTCCCGGGGA	CGTACACACA	TGGGGCGTAT	CTTCTAACCC	GTGAACTCA	CCGAACAGAG
	42061	ACCTATATCA	AAGTGTATT	AGTGAACCTT	CTGACGGCTA	TAGCAGTGAG	AGTGA
	42121	CTATCGTACT	AAGTCTCGAC	GAACATCGGT	CATGTCGCGT	TCCTAGGCAC	GTACGCGTTG
	42181	TTAATGCCGA	TGTAGTCACC	GGTCGACGTT	ATGTCGAGG	GACCGCCTTG	GGAGCACTGG
50	42241	CACTGTTAAG	CCAGGCATGT	CGGCGTATGA	TCGACAA	TAGATATA	CGTAAACTT
	42301	TAATGGACCA	CACGGAAGAT	ATATTTCAG	GCCTGGGTA	TGTTAAATTG	TTATTAGATG
	42361	GAACATATAT	ATAAAGTAGC	GCCTATTAAA	AAAAAA	AAACAAACGAT	TATTTCCTGT
	42421	GTATT	TTACACCTTA	CGACTTCTTG	AAGCGTTCC	AGATTGTC	GTGTGTGACA
	42481	AGGTCCTGTCC	CTTACCCCCC	TGGGGGGTAT	TTTGGGTTGG	GGGGGGGTA	GACTGTGGCA
55	42541	CGCCTTGGGC	CGCGGGCGGT	GATCCGGTTG	TTGGCTGGAC	AGTGCTTGAC	TGTGCTCCCT
	42601	GTTGCGGTTG	TTGTCAGAA	GACCCCGACA	CCACGTGTTG	CTGTTGTCCA	ACGGATGCCG
	42661	ACGTCGTTG	AGGTGGGGGG	TGTTGCGGGG	ATGATCCGA	AAACGCCAAC	GGGGCGGGCT
	42721	GTTGTAAAGC	AGACTGATCG	GCGCTCTGTG	TTTTTGC	CAATATAGTA	GGCCCCGAGA
	42781	TTCCCAAAC	CATGGATGGA	TTTGGGGGTT	GTGGTCGTAT	AATACGCGGG	TTAACACGTAC

	42841	GTTTAAAGCC	AACC GTTGGT	CTTA ACCATG	TCAT AGGGTC	AGTCT CGGCA	AACAT GGC CG
5	42901	TTCGGCGTAT	CGT ATTGCA	TTAT GGTTAG	CGCG TGACG	CGCGG CACTG	GCC GCGG CTC
	42961	CCACGGGTGA	AATG CCTCTG	GCAT CAGCGA	TGTCC ACACG	GTGACC AGGT	TGCAA AAGGTC
	43021	CACTGGCGTT	TAAA AGTCGT	ATTA AAAGCAA	CGGGGGTGT A	AGCCG CAATT	GCTT CCACCG
10	43081	AAAAT GTGGT	GGGG TTGCTG	GGAT CAAAGA	CTACAC GAGA	CGAT GCGGGT	TGTG TCATCG
	43141	TTTATTAGTT	TACGGGACAA	TCGATA AACAG	CATA CA CGTA	CATCT GCGCA	GGAT ATGTAC
	43201	GGAA AGGC AA	TTTAT TCCA	GAAA AGCACC	GCCC CTAA TA	CAACT ACCAG	TACA ATTACA
	43261	ATGA ACAGGG	CATAT GTCAC	GT TAGCTACG	GGTAGAGCAA	GT TTCCAGAC	ACGCG TAGTT
15	43321	TGGGTATCGG	GTAAC GCAGG	TTAAT GTCA	CTTG CATT	GAAC AGACGT	GT TTGGACTT
	43381	CCGTTCTCGG	GTGGGGATCT	GAAT GAAGG	CGCC AGCGTA	TATATT CATC	CAAATT ATTG
	43441	CCAGTTCCCT	TATACAT GTA	TGCAT CCCTG	GCGC GGGCCA	TAAGTTTAAT	GGT GCGAGAT
	43501	GGATCTTCCG	GTCCC ATA AAA	ACGAA AGGAT	AACT GAACAT	ATGGCATT CG	CACAA AGCAG
20	43561	TTCACCCACA	TTAA AGCCTG	GAGAGGTCGG	CGGT CAATAC	CCCC ACCTCG	TTAATTGAT
	43621	TCCA AAGCAG	ATAG GTTGAT	ACCGG TACTT	AAC GTTGAAC	TAAGA ATCAC	GT TATTACTG
	43681	TCAAT GGACA	CTTCAG CCAC	TGGT GCCTTA	GTCGG ACAGA	AAAAAAA ACC	TTGAA ATAGC
	43741	ACAGACACCC	CCGT ATT TTG	AATTTTATG	TAAGGGT CAC	AATCT ACTTG	CGCC CAATT
25	43801	GCCATTAAAC	GCATA ATATA	CTCT ACCGG	AAGG CTT CGG	ATAC GTT GTC	TT CGCC GTTA
	43861	AACTGAAAAA	CACA ACGGG	GGGGGGGCGT	TGTGGATCAA	ATATTGGAAG	AT CCCCATCG
	43921	CAACATTGAA	GAGCG CTTGG	TACCA CAAAC	CGAATAC GTT	GT AAAAGATT	ATCTCCGCAA
30	43981	CCCCT CCTGC	GTTC ACTCCG	TACATAC GTT	CTCC GTGACA	TATTG ATCTA	AGGTT GCAA
	44041	CCAAGG CACA	CGCGT GAAGT	ATTAGACCA	TTTAT CGTGG	GATATAGGAG	GAGTTTGGAG
	44101	TGATCCACCC	CCTGAC GACT	TATTAAT GCG	TTTATT TTCC	CCAT GTATT A	AGC ATCCTTC
	44161	AATATTTCAT	GCAA ATCTAG	AAATTTGGCC	ATGACT CCCG	CAAAG CGTTC	ACGGCG ACAGG
35	44221	GTCACG CTGG	CACTAT GTTC	ACATGGA ACAC	ACATAA GCGA	ATTTTTCTGA	ATCGT TACTT
	44281	TCTT TATGTT	TTAA AAACGG	CGCC AGGC	CTGGT AAATG	ATATATAATT	TAATTGAGCG
	44341	TCAG GTT GTAG	GTAGA ATT G	TTCT ATTTCC	GGGGGA ATTA	AATTTTCAA	CCAAAC CGGAA
	44401	AGAGTAAAGG	TGCT ATCAGC	AGGAAA ATAC	TTTGACTCCA	GTGCA TCGAT	ATTTA ATAGA
	44461	TTAACATCGG	TGTCT GTAA	TAAAT CGCGG	GCCCT CATCC	CAGAGAT GGA	TCGGG TAGAA
40	44521	TCAGA AGAAC	CCAT GGATGG	ATT CGAATCG	CCC GTATTCT	CCGAAA ATAC	ATCTCTAAT
	44581	TCCGGATGGT	GTTC CGACGC	ATT TTCCGAT	TCGTAC ATCG	CTTATA ATCC	AGCC CTTCTG
	44641	CTAAAAAAACG	ATT TGTTATT	TTCA GAATTG	TTATT TGCT	CCC ACTTA	AAAT GTTCCC
	44701	CGT GCAATAG	AAA ACAACGT	CACTT ATGAG	GCCT CTT CGG	CGGTAG GTGT	GGATA ATGAA
45	44761	ATGACCTCAA	GTACCA CTGA	ATT TATAGAA	GAAAT TGGAG	ACGTTT TGGC	GTTAGACAGA
	44821	GCCT GTT TGG	TCTG CAGAAC	GCTG ATTTG	TATAAA CGTA	AATT TGACT	GACAC CGGAA
	44881	TGGGT TCGGG	ACTAC GCAT	GT TAT GTATG	AAA AGTCTGG	CATCCCCGCC	CTGTG CAGTT
	44941	GTC ACTTTA	GCGCT GCTT	TGA ATT TGTC	TATCTT ATGG	ATCGTT ACTA	CCTGT GCGCGT
50	45001	TATAAC GTTA	CTTTGGT TGG	GTCC CTTGCC	AGGCG CACGC	TTTCC CTGTT	AGAT ATACAA
	45061	AGAC ATTTT	TTTG CATGT	ATGTTT CGT	ACCG ATGGAG	GGTT ACCAGG	TATA CGACCG
	45121	CCCCCCGGTA	AGGAA ATGGC	CAACAA AGTA	AGAT ATTCCA	ATTACT CCTT	TTTGTACAG
55	45181	GCGGT AGTTA	GGG CTG CATT	ACTAT CGATC	AGC AC GTCTC	GT TTAGACGA	AACCGAAACG
	45241	CGTA AGTCAT	TTTACT TAA	TCAGG ACGG	CTG ACTGGAG	GCCCT CAACC	TTT AGCGGCC
	45301	GCCTT GGGCTA	ATT GGAAAGA	TTGCG CGCGG	ATGGT GACT	GTTCAT CATC	GGAA CATCGC
	45361	ACAAGT GGG	TGATT ACCTG	CGCGG AACGT	GCAT TAAAG	AGGAT ATAGA	GT TTGAAGAT
	45421	ATATT AATAG	ACAA ACTTAA	AAA ATCGTCT	TAC GTAGAAG	CAGCTT GGGG	TTACG CAGAC
	45481	TTGGCTT TAT	TATT ACTGAG	TGGG GTTGCT	ACTT GGAATG	TAGAC GAGCG	TACAA ATT GT
	45541	GCT ATAGAAA	CTCG CGT TGG	ATGT GTT AAA	TCATA CTG	AGGCG AACCG	GATT GAAA AC
	45601	TCCAGGGACG	TTCC AAAACA	ATT TTCCAA	TTTAC GAGCG	AGGAT GCGT	TCCC GAAGTA
	45661	GCAT TTGGC	CTAT TTGTT	AACTAC CT	AAA AACGCA	AGT GCGT G	TCG CACGAAT
	45721	ACCGA ATGCA	TGTT ATGTT	TTT ATT AACC	ATAGG CACT	ATT GGAT CGC	TTT GCGG CAG
50	45781	TTTAAAAGGG	ATAT ATT AGC	ATACT CAGCA	AATA AACCAA	GT TTATT TGA	CTGT ATCGAA
	45841	CCTG TAATCA	ATGC ATGGAG	CCTAG ATAA	CCC ATTAAC	TTAA ATT TCC	ATTTA ATGAT
	45901	GAGGGT CGAT	TCATA ACCAT	TGT AAAAGCA	GCAG GTT CCG	AGGCC GTATA	AAAC AATT
	45961	TTTGCGATC	TCCT ATGCG	TCTCT CGGAA	TTAC AGACAA	ACCC TAAAT	TTT ATT TGCC
	46021	CAT CCTACAA	CCGCG GATAA	GGAAGT GTTG	GAGT TATATA	AAGCC AA	GGCTG CACAA
55	46081	AACAG ATTTG	AAGG TCGT GT	ATGT GCT G	CTGT GGACAT	TGGCG TATG	ATTTA AGCC
	46141	TACCA GATTT	TTCC AC GCAA	ACCA ACCG	AATG CCGC	AT	TGAGG GACTT
	46201	ATGCTT CGAC	GACAT GCAAT	ATCG CTGGTC	TCCCT CGAAC	ACAC CCTATC	GAAGT ATGTC
	46261	TAGGCG ATAT	AAAT CC GTAT	CTCG GAGCG	GCCTT CGATG	CGT GTAC G	CCAGAACGCC
	46321	ATGCC GCG	CAA ACCATTC	GAGG AAAACT	TATG TCAA	AGC GGGT CTG	TGT ACCGCCA

	46381	TTATTTTAAT	TACATCGAA	GGTCCCCCCC	AGAAGAACTA	GCTACCGTTA	GAGGCTTAAT
5	46441	CGTCCAATT	ATTAAGACGA	CCCCCTGTCAC	CCTTCCGTTT	AACTTGGGTC	AGACAGTGGC
	46501	GGATAACTGC	CTGTCGTAT	CCGGAATGGG	TTATCATTTA	GGTCTCGGAG	GTTATTGTCC
	46561	GACATGCACT	GCATCTGGAG	AACC CGCTCT	ATGTCGAACC	GATCGGGCGG	CTCTGATACT
10	46621	AGCATATGTT	CAGCAGCTTA	ACAACATATA	CGAATATCGT	GTGTTCTTG	CATCCATTTC
	46681	GGCGCTATCA	GACCGAGCCA	ACATGCAAGC	AGCGTCCGCT	GAACCCCTAT	TGTCGAGCGT
	46741	ATTGGCACAA	CCGGAATTAT	TTTTTATGTA	TCATATTATG	AGGGAGGGGG	GCATGCGAGA
	46801	TATACCGCTA	CTTTTTATC	GTGATGGAGA	TGCCGGAGGG	TTTATGATGT	ATGTTATATT
	46861	TCCGGGGAAA	TCTGTTCAACC	TCCATTACAG	ACTAACATCGAT	CATATACAGG	CCGCGTGTGCG
15	46921	GGGGTATAAA	ATAGTCGCAC	ACGTTGGCA	GACAACATT	TTACTGTCGG	TATGTCGCAA
	46981	CCCAGAACAA	CAAACAGAGA	CTGTGGTGCC	ATCCATTGGA	ACATCGGACG	TTTACTGTAA
	47041	AATGTGTGAC	CTTAACTTTG	ATGGAGAATT	GCTTTGGAA	TACAAAAGAC	TCTACGCATT
	47101	ATTTGATGAC	TTTGTTCTC	CTCGGTGATT	TCAGCTTCAG	TGTTCAATT	ATTATCCCAG
20	47161	CACGGGGCGT	GTATAACAAAC	AAAGCCTGCC	GCCTGCAAGC	GGTTTAGCAT	TTAACACGTTA
	47221	ACAACCTCGT	TCTCTGGAA	AAAACGTTT	AAAAGCCGTT	CTGTGAGTT	AGTGTGTTT
	47281	CCAAATAACG	CCTTAAAAGT	TACACTCGCC	GTCCCAATGA	GATGAGAAA	ATAATAGTCA
	47341	ATGTTTAAAG	ACAGCCCGTG	TGATGTTACG	TGAATGGGAT	CTTCCGCTAA	GTCAGATATT
	47401	ATTAACATTAC	GCTTTGCTTC	CCCACACCGT	TTACCTGCGG	TATTCTGTA	AGGATCTCCA
	47461	CGTAGCAAAG	CTACACTTT	TGCATCAGCC	TCCACTTCGT	CTGTGGGGGC	CACAATAACA
25	47521	TAAGGGATGC	GTTCTCGAAC	GTTGGGATT	TGACCCCTGTC	TCATTACTAA	TTTATAATAT
	47581	ACTGTTAAGT	GAGCCAAGCG	ACGGTTTATG	TAGGCCGATG	GTGGACGACT	AAGCTCGGCC
	47641	GTCATAACAA	ACTTATTAAT	ATCCAATTG	GGTGATGTA	TCTGGCGATG	TGCATCTGCA
	47701	ATTATGCGTC	CAAACCCGGC	CATCCCAGAC	GGCATGGCCC	GTCTATTCCA	TTCAGCAATG
	47761	GAAACACACG	ACGCCCTCGC	CGCAGCACGC	GAGACGGGT	CGTCATATAA	CAACAGTTCT
30	47821	ACAAGTTTGC	GGGCATAATC	GTAAATAAAT	TGACAGTTGT	TTTTTCTAAC	CAAGTCGACT
	47881	CCCTTCATTA	AAACCTTTC	GCCGTAATT	ACCCCAATGT	ACTTTTTCTT	TGTTATAAGC
	47941	AAAAGTTTTA	TAAAAGTTT	TTCACACTCC	AACTTATAG	GAGGACAAA	CAGAGCGTT
	48001	GAAATTATAT	GTGCCATT	CTCGCCGATT	TTAGCTATCC	CCTCAACACT	AACACCCCTTG
	48061	AATCGGATAA	ACACAGAAC	CGTATCTCCA	TATATAACCT	TTACCTCGTA	CGCTTTTTGG
35	48121	GAGAGAACGC	TACTTTCAAT	GTCTGGAAAC	GCTGTAATAA	AACGTTCAA	TGCGGCCAG
	48181	TTATTATGAA	TATAATCTCT	GGTACTTAAT	AACATTGAC	GGCCAATTGT	AGTGACAGTG
	48241	GCGCTACGT	ATAAACATGG	CAGAAATCCC	TGCGCAACTC	CAGTAAAACC	GTACACGGAA
	48301	TTACAAACTA	CTTTTATCGC	GGCTTGTGT	TTGTCTAATA	ACACTGCTTC	ATCTGAAGAA
	48361	CTTCCGGGT	TGCGCGCTCT	AATAGCCTTG	CGCATAGCCA	ACCAGTCTT	AAAAGAACAA
40	48421	CCCAGCAGAC	TTTCTCGAAC	GTAGAGCGC	ACAAAAAAA	GACGTTTICC	TCCAACGTGA
	48481	AAGGTGGCAT	AATCGGATGG	ATTCAAACGT	TTAACCGTCT	CAAAATTIAA	CGTTAGCGTG
	48541	GTAAAACATA	AGTTATGGC	CTGAATTATA	CTTGGATATA	AACTTGCAA	ATCCAATACG
	48601	ACCACCGGAT	CGATATAAAA	TCCCGTATCA	GGGTCAAAA	CCCTGGCTCC	TTTATATCCT
	48661	ACATTTGCC	CACTTGACGT	ACCAGTGGGA	GAAACGCTCT	CGTCTTCATC	CATCTCTTCC
45	48721	TCAACATCCC	CGACATCGGG	AATAACATCC	TTATATTCAA	AGTAGCTGG	GTATCCCCA
	48781	TCGGGTAAAA	TAATCCTCG	AGACGAAGCC	AGTCCTAATA	ACAGGTGTA	AATCCTAAC
	48841	TGCTGTCCGT	CGTAAATAGC	CTTGGTTAAA	GTAATTCTAG	CTAGCCTTGC	AACCGCGGAT
	48901	AACTCAAGGT	GTGGTAAATA	TTTAAAAAAC	AGTTTCCCCA	CAAGAGCCGA	GTCTTGTATA
	48961	CAATATTAC	CAATAATTCC	TCGTGTATT	GGTCCACTAG	CGTAATATCC	CGGAATGTCT
50	49021	TTGTAGGGCA	AATCTCTCTT	GGACTCATTT	AGAGCTTCAC	GTGCAACCGA	ATCTAATTAA
	49081	TAACTCGAGA	GTTTTAATT	TTCACTTGCA	ATTGCATACA	TATCCAGAGA	TATGAGACCG
	49141	TTGATCTTA	CCTTGCTTCG	TCGCTGAAAT	CCGGATTTC	CAACATCCC	TATCTTAAAC
	49201	AGACCCCCAC	GGTTTATACT	GCCATAACCA	TCAAGCTGA	GACTGTATAT	AGAATTAAGT
	49261	TTCTCCATAA	TAAACGCCCA	ATCAAATT	ACAATGTTAT	AACCTGTGGC	AAACTCGGG
55	49321	GCGTACTGTT	TTACGAGGGT	CATAATGCA	ATTAATAGCT	CGAATTCACT	ATCAAACCTC
	49381	AGCACAGTCG	GCTCCGGTAA	CCCCCGCTCC	TTCATTTCTT	GTACATACCT	TTGTTGTAAG
	49441	TCACAAGAGC	CAAGGGAAAA	CAGTAAAATG	TGTTCTAAAG	ACTGTGAGG	GATTGAATAT
	49501	AATAGACAAG	AAATTGGA	TACAAGATCC	TCCAGATGTG	TTGCATCGGG	AAACGCCAGC
	49561	TCATTAGATC	CTCCCTGATT	ACATTCAATA	TCGAAACATA	ACAACCTGTA	GTCAGGCCAT
	49621	GAGTCATCGT	TTGGTATAGC	CTGCAGATTA	TCCGACATGC	AGTCAATTTC	AACGTCGCTT
	49681	AACGTTAATT	GGCGACTTGC	CGGTCGAAC	CGAACACGTT	CCCCATCAAC	TCCAGGTTTT
	49741	AGTTGATACC	AACCAAAACT	AAACAAAGCCG	GGATTATCCA	TTAGAAAACG	AGTGGTAGCG
	49801	TCTACCCGAC	CTTCATACTT	TTTCAACTCC	GGGTGAAAGT	TATCACAAAG	ATAATTGTA
	49861	AATTAGATG	AGGGAGAATA	CACCCGTAA	AACGCACATG	GCTGTGTATC	GTAGTAATAA

	49921	ACATCTGTGC	GCTCAATAAC	CTCAACGCGA	AAGCTTTCTG	GAGATGCGCT	TTTAAACGAG
	49981	GTACCATGAA	AAGCGTTCTT	GTCTCCATT	AACGTTGCAT	CATTTTGTT	TATCATAGAA
5	50041	CTGCGTAAAC	ACTCGGAAG	TAATACAGAT	AACTCGCTAC	CGGAACGTAT	GCCACAAGCG
	50101	GTATCCACCT	CGGCTTGTT	TATATAAAA	TATTGACAGA	TGCCGTATAC	ATGAACGTGCC
	50161	ACCCTTTTTC	CACATCGGGA	CATGCCAAGT	AAAGTAATAA	CGGTACCAAG	CGGTGCGTGT
	50221	GCAGTTGCAA	ACCGGGATAC	ATCTCCATTA	GACGCGGCTT	CTGTTGTTTC	GACAATATCA
10	50281	TATACATGGA	ATGTGTTAAA	GCGGGGGTCA	AACTTATCCC	CACGAAAGTC	GATTCCCCC
	50341	CAAATATTCA	CGCGTCTAGG	CCAGGGGCTG	GAACAAACGAA	AATCCAGAA	CGGAACCTCT
	50401	TTTCCATTAC	AGTAAACTTT	AGGCGGTCGA	CTAAGTGTAC	CGACGTGAAC	CCCCTTCG
	50461	TCTTCCATGG	GCACATCTTC	ATCTAAACAT	TTAGGGGCCA	AAAATTGAAA	CGATGACATG
15	50521	GTAGTTTTGT	AACTATGAAG	AAATTCTCTG	TTACTACCAC	GCCCGGTTCT	TGGGTTATAT
	50581	TTAACCCCTG	ATGCTGGGT	TAAAAAGGGA	TTACAAAACC	CCGTTCTGAT	CGCCATTITA
	50641	TGTTAACGAT	TGATAATCTT	GTAAAAAGCC	AGTGTACTG	AGTAACACAA	CCCCACGCCC
	50701	TTCTAATACA	TAAAGTGTAA	TCACGTGATT	TGTTGTGGTT	TCCGCATATG	TAATACCCGT
20	50761	TTAAAAGCCT	CTCTTCTTAA	TGTATCGACA	GACTGGGTTT	TGGGTGGTCA	TTTGACCTG
	50821	CCAACAACCC	CCCATTATTA	CGAGTACTTC	ACCAAAATGG	AAAATACTCA	GAAGACTGTG
	50881	ACAGTGCCA	CGGGGCCCT	GGGTTACGTT	TATGCGTGCC	GGGTTGAAGA	TTGGATCTG
	50941	GAGGAAATT	CATTTTGCG	CGCTCGTAGC	ACGGACTCTG	ATTGGCTTT	ATTACCTTTG
25	51001	ATGCGTAATT	TGACCGTGGG	AAAAACTTTT	ACATCAGCC	TGGCGGTGGT	TTCTGGAGCA
	51061	CGCACTACGG	GTCTTGCCTGG	AGCTGGTATT	ACCTTAAAC	TCACTACCAG	TCATTCTAT
	51121	CCATCTGTCT	TTGTCTTCA	CGGAGGCAAA	CACGTTTAC	CCAGCTCCGC	GGCCCCAAAT
	51181	CTCACACGCG	CGTGTAAACG	GGCTCGAGAA	CGGTTGGGT	TTTCACGCTG	CCAAGGGCCT
	51241	CCTGTTGACG	GTGCTGTTGA	GACGACCGGC	GCTGAGATAT	GCACCCGCCT	TGGATTAGAG
30	51301	CCAGAAAATA	CAATATTATA	CTTGGTGGTC	ACGGCATTGT	TTAAGGAAGC	CGTATTTATG
	51361	TGCAACGTGT	TTCTGCATTA	TGGAGGACTC	GATATTGTT	ATATTAACCA	TGGGATGTT
	51421	ATACGTATAC	CGTTATTTC	GGTACAAC	TTCATGCCG	ATGTTAACCG	TCTGGTACCC
	51481	GACCCATTCA	ACACTCATCA	CAGGTCTATC	GGAGAGGGTT	TTGTATACCC	AACACCTTT
	51541	TATAACACCG	GGTTGTGCCA	TTTAATACAT	GACTGTGTTA	TTGCTCCAT	GGCCGTTGCC
35	51601	TTGCGCGTCA	GAAATGTAAC	TGCCGTGCC	CGAGGAGCGG	CCCACCTTGC	TTTGATGAA
	51661	AATCACGAGG	GGGCAGTACT	CCCCCTGAC	ATTACGTACA	CGTATTTCA	GTCCCTTTCA
	51721	AGTGAACCA	CTACCGCCCG	TGGAGCGCGT	CGAAACGATG	TCAACTCCAC	GTCTAAGCCT
	51781	AGCCCATCGG	GGGGGTTTGA	AAGACGGTTG	CGCTCTATT	TGGCCGCTGA	CACAGCCTTG
	51841	CACCGAGAAG	TTATATTCAA	CACTGGAATT	TACGAAGAAA	CTCCAACAGA	TATCAAAGAA
40	51901	TGGCCAATGT	TTATAGGCAT	GGAGGGCACT	TTGCCAAGGC	TAACGCTCT	GGGGTCATAT
	51961	ACCGCTCGTG	TGGCCGGGGT	CATTGGTGC	ATGGTTTCA	GCCCAAATT	TGCGTTGTAT
	52021	CTAACTGAGG	TGGAGGATAG	CGGGATGACC	GAAGCCAAGG	ATGGGGGACC	GGGTCCATCA
	52081	TTTAATCGAT	TTTACCGAGT	TGCCGGACCT	CATTAGCTG	CGAATCCCCA	AACAGATCGA
	52141	GATGCCACG	TTCTATCCAG	TCAGTCTACG	GGTTCATCAA	ACACAGAGTT	TAGCGTGGAT
45	52201	TATTGGCAC	TCATTGTGG	ATTGGAGCA	CCCCTGTTGG	CGCGACTGCT	TTTTTATCTA
	52261	GAACGCTGTG	ACGCTGGTGC	GTTCACAGGG	GGTCACGGGG	ATGCGTTAAA	ATATGTTACG
	52321	GGGACCTTTG	ACTCTGAAAT	TCCATGTAGT	TTATGTGAA	AACACACCGG	GCCGGTATGC
	52381	GCTCACACAA	CAGTACACCG	ACTTAGACAA	CGCATGCCGC	GATTGGACA	AGCCACCCGT
	52441	CAACTATTG	GGGTGTTTGG	AACAATGAAC	AGCCAATATA	GCGACTGCGA	TCCTCTAGGA
50	52501	AACTATGCTC	CATATTAAAT	CCTTCGAAAA	CCCAGGGATC	AAACGGAAGC	AGCAAAGGCA
	52561	ACCATGCAGG	ACACTTATAG	GGCTACACTA	GAACGCTTGT	TTATCGATCT	AGAACAAAGAG
	52621	CGACTACTGG	ATCGCGGTGC	CCCATGTTCT	TCCGAGGGAC	TATCGTCTGT	CATTGTGGAT
	52681	CATCCAACGT	TTCGTCGCAT	ATTAGACACA	CTGCGTGC	GTATAGAAC	GACAACAACAA
	52741	CAATTATGA	AAAGTGTGGT	TGAGACCCCG	GATTATAAGA	TCCGTGAAGG	ATTATCCGAA
55	52801	GCCACCCATT	CAATGGCGTT	AACGTTGAT	CCATACTCAG	GAGCATTGTT	TCCCATTACC
	52861	AATTTTTTAG	TTAACCGAAC	ACACCTAGCC	GTGGTACAAG	ACTTAGCATT	AAGCCAAATGT
	52921	CATTGTGTAT	TTTACGGACA	GCAAGTTGAG	GGGCGGAAC	TTCGTAACCA	ATTCCAACCT
	52981	GTTTGCGGC	GGCGTTTTGT	TGACCTGTT	AATGGGGGT	TTATATCAAC	ACGCTCTATA
	53041	ACCGTAACAT	TATCTGAAGG	TCCGTATCC	GCCCCAAATC	CGACATTGGG	ACAAGACGCG
	53101	CCCGCGGGGC	GTACCTTGA	TGGGGATT	CGCGCGTAA	CGCTGGAAGT	TATTGGGAT
	53161	ATACCGAGTTA	AAAATAGGGT	CGTTTTTCA	GGTAACGTG	CAAATCTCTC	TGAGGCAGCC
	53221	CGGGCAAGGC	TTGTAGGCCT	TGCAAGTGC	TACCAACGCC	AAGAAAAAAG	AGTGGATATG
	53281	TTACACGGGG	CCCTAGGGTT	TTGCTTAA	CAGTTTCACG	GCCTGTTATT	TCCTCGGGGT
	53341	ATGCCACCAA	ACAGTAAATC	CCCCAACCCG	CAGTGGTTT	GGACCCGT	ACAACGCAAC
	53401	CAGATGCCGG	CAGATAAACT	TACACACGAA	GAGATTACCA	CTATTGCGAC	TGTTAAACGG

	53461	TTTACCGAGG	AATATGCAGC	AATAAACCTT	ATTAATCTAC	CCCCAACCTG	CATAGGAGAA
	53521	TTAGCCCAGT	TTTATATGGC	AAATCTTATT	CTTAAATACT	GCGATCATTC	ACAGTACCTT
	53581	ATAAAATACCT	TAACTCTAT	AATTACGGGT	GCCAGGCGCC	CGCGTGACCC	ATCATCCGTT
	53641	TTGCATTGGA	TTCGTAAGA	TGTACGTCC	GCCGCGGACA	TAGAAACCCA	AGCAAAGGCG
5	53701	CTTCTTGAAA	AAACGGAAAA	CTTACCGGAA	TTATGGACTA	CGGCTTTAC	TTCAACTCAT
	53761	TTAGTCCGCG	CGGCCATGAA	TCAACGTCCC	ATGGTCGTTT	TAGGAATAAG	CATTAGTAAA
	53821	TATCACGGAG	CGGCAGGAAA	CAACCGCGTC	TTTCAGGCAG	GGAATTGGAG	CGGTTAACAC
	53881	GGGGTAAAAA	ATGTATGCC	GCTATTACA	TTTGATCGCA	CTCGCCGTT	TATAATAGCA
	53941	TGTCCTAGAG	GAGGTTTAT	CTGCCCGTA	ACAGGTCCCT	CGTCGGAAA	TCGAGAAACC
10	54001	ACCCTATCCG	ACCAAGTTCG	CGGTATAATT	GTCAGTGGCG	GGGCATGGT	TCAATTAGCC
	54061	ATATAACGCCA	CGGTTGTGCG	TGCACTGGGC	GCTCGAGCAC	AACATATGGC	ATTTGACGAC
	54121	TGGTTAACGTC	TTACAGACGA	TGAGTTTTA	GCCAGAGACT	TGGAGGAGTT	ACACGACCAG
	54181	ATTATCCAAA	CCCTGGAAAC	GCCCTGGACC	GTAGAAGGCG	CTCTAGAACG	AGTAAAGATT
	54241	CTAGATGAAA	AAACGACAGC	GGGAGATGGG	GAAACCCCCA	CAAACCTAGC	ATTTAATTTC
15	54301	GATTCTGTG	ACCAAGCCA	TGACACCACA	TCTAACGTAT	TAAACATTTC	AGGGTCAAAC
	54361	ATTTCAGGGT	CAACTGTCCC	TGGTCTAAA	CGACCCCCCG	AAGATGACGA	ACTCTTGTAT
	54421	CTTAGTGGTA	TTCCCATAAA	ACATGGGAAC	ATTACAATGG	AAATGATT	ACCTCCCTCT
	54481	TTATCCAATT	AAAGCCCACA	CGCGGGTGAG	TGTACGTAAT	AAACAAGTCA	ATATTACATA
	54541	TTCTGTTGTG	TTTCTTTT	TTGTGTGAG	TCCTTACCC	TATGACCTGT	AATATAGTGT
20	54601	GTCTCCAACC	ATTCAAGCTTA	CAGTCCAGTG	GACAGTAACA	GCCCGATAAC	ATGGAATTGG
	54661	ATATTAATCG	AAACATTGTTG	GTTCTACTGG	GTCAAGTTA	TACGTACATC	TTTCAGGTTG
	54721	AACTGCTACG	TCGATGTGAT	CCAAGGGTGG	CGTGTGCGTT	TTTATATCGG	TTAGCGGCTA
	54781	ACTGTTGAC	AGTCGTTAT	TTATTAAGC	TGTTTCTCCG	GGGATTTAAT	ACCCAGCTAA
	54841	AATTGGAAA	CACTCCCACG	GTGGTGTGAC	TGCATTGGGC	ATTATGTTAT	GTAAAGGGAG
25	54901	AAGGTGAGCG	TTTGTGAG	TTGCTACAAC	ATTTAAAAC	GCGTTTGT	TATGGTGAGA
	54961	CTAAAGACTC	AAACTGTATC	AAAGATTACT	TTGTCAGC	GTTTAACCTA	AAAACCTGCC
	55021	AATATCACCA	TGAGCTGTCG	TTAACAAACAT	ACGGAGGTTA	CGTATCGAGT	GAAATTCACT
	55081	TTTTACACGA	CATTGAGAAT	TTTTAAAAC	AGCTTAATT	CTGCTATATT	ATCACGTCTT
	55141	CTCGTGAGGC	GCTAAACACA	TTGGAAACCG	TGACCGGGTT	TATGACAGAT	ACTATAGGAA
30	55201	CGGGTCTAAT	ACCACCGTG	GAGTTGTTG	ATCCGGCGCA	TCCATGTGCT	ATATGTTTG
	55261	AAGAATTATG	TATAACAGCT	AACCAAGGTG	AGACCTTACA	TCGTAGATTA	TTAGGATGTA
	55321	TCTGCGATCA	CGTTACTAAG	CAAGTTCGGG	TTAACGTGGA	TGTTGACGAT	ATTATTGCGGT
	55381	GTTTACCAT	TATCCCTGAT	GTACCGGATA	TCAAACGTCA	ATCCGCCGTT	GAAGCGTTAC
	55441	GAACACTTCA	AACCAAGACG	GTAGTCATC	CCATGGGAGC	AAAGAACGAT	ACGTTTGACC
35	55501	AAACATACGA	AATTGCGAGC	ACCATGCTTG	ATTCTTATAA	TGTTTTAAA	CCTGCCCTC
	55561	GGTGTATGTA	CGCCATCAGC	GAGCTTAAAT	TCTGGTTAAC	GTCTATTCC	ACTGAAGGAC
	55621	CCCAACGTAC	TTTAGACGTG	TTTGTGATA	ATTGGATGT	ATTAAACGAA	CATGAAAAAC
	55681	ACGCAGAACT	TACAGCCGTA	ACGGTTGAGT	TGGCGTTATT	TGGAAAAACT	CCCATACACT
	55741	TTGATAGGGC	GTTTCTGAA	GAACCTGGAT	CTCTGGATGC	AATTGATAGT	ATTTGGTTG
40	55801	GCAATCGCTC	ATCCTCACCA	GACAGTCAGA	TAGAAGCATT	ATTAAAGCC	TGTTATGCC
	55861	ATCATCTATC	GTCGCCTCTC	ATGCGTCACA	TTTCTAACCC	GAGTCATGAT	AACGAAGCCG
	55921	CCTTACGCCA	ACTTTTAGAA	AGAGTTGGGT	GTGAGGATGA	TTTAACCAA	GAGGCGAGTG
	55981	ACAGCGCTAC	AGCATCCGAA	TGTGATCTGA	ACGATGATAG	TAGCATAACT	TTGCTGTT
	56041	ATGGATGGGA	AAACCTGTTA	TCCAAAGCAA	AAATTGACGC	TGCGGAAAGA	AAACGAGTAT
45	56101	ATCTTGAACA	TCTGTCTAAG	CGCTCTCTAA	CCAGCCTCGG	TAGATGTATC	CGCGAACAGC
	56161	GCCAAGAGCT	AGAAAAAAC	CTCAGGGTAA	ACGTTTATGG	AGAGGCCTTA	TTGCAGACAT
	56221	TTGTTTCGAT	GCAAAATGGG	TTTGGGGCAC	GAAACGTGTT	TTTAGCTAAG	GTTTCCCAGG
	56281	CAGGGTGTAT	TATCGACAAT	CGCATTCAAG	AAGCGCCCTT	TGATGCACAT	AGATTATATAA
	56341	GGAATACCTT	AGTTGCACAT	ACAGTAGATG	CGGCTATGTT	ACCTGCACCT	ACACATAAAT
50	56401	TTTTTGAGTT	GGTCAACGGC	CCATTGTTA	ATCACGATGA	ACACCGTTT	GCACAACCCC
	56461	CTAACACCGC	CTTATTTC	ACCGTGGAAA	ACGTTGGCCT	ATTTCGGCAC	TTAAAAGAGG
	56521	AATTGGCAAA	GTTTATGGG	GGTGTGCGTT	GTTCCAACTG	GCTTCTCAGT	CCATTCTAGGG
	56581	GCTTTTATTG	CTTTTCTGGG	GTAGAAGGCG	TTACTTTGC	ACAGAGACTT	GCCTGGAAAT
	56641	ATATTAGGA	GCTTGTGTTT	GCAACCACAC	TATTCACTC	TGTTTCCAT	TGTGGGGAGG
55	56701	TGCGGTTATG	TCGCGTTGAC	CGTCTAGGTA	AGGATCCACG	CGGGTGCACG	TCTCACCTA
	56761	AAGGTATAGG	CAGTCCCAC	GGACCCCTAG	ACGGCATTTA	TTAACGTAC	GAAGAACAT
	56821	GTCCCTTGT	GGCTTATT	CAAAGTGGAG	AAACAGGGAT	CGACCAGAAT	ACCGTCGTAA
	56881	TCTACGATT	AGACGTTTTT	TCTCTTCTAT	ACACCTTAAT	GCAGCGGCTG	GCTCCGGATT
	56941	CAACGGACCC	GGCGTTTCA	TAACCTCCGT	TACGGGGGTG	TGGTTATGCT	TTTTATGCA

	57001	ATTTTCTATG	TTTGTTACGG	CGGTTGTGTC	GGTCTCTCCA	AGCTCGTTT	ATGAGAGTT
	57061	ACAAGTAGAG	CCCACACAAT	CAGAAGATAT	AACCCGGTCT	GCTCATCTGG	GCGATGGTGA
	57121	TGAAATCAGA	GAAGCTATAAC	ACAAGTCCC	GGACGCCGAA	ACAAAACCA	CGTTTACGTT
	57181	CTGCCAACCG	CCAACAGGCT	CCACAATCGT	ACGATTAGAA	CCAACTCGGA	CATGTCCGGA
5	57241	TTATCACCTT	GGTAAAAACT	TTACAGAGGG	TATTGCTGTT	GTGTTATAAAG	AAAACATTGC
	57301	AGCGTACAAG	TTTAAGGCAG	CGGTATATTA	CAAAGATGTT	ATCGTTAGCA	CGGCGTGGGC
	57361	CGGAAGTTCT	TATACGAAA	TTACTAATAG	ATATGCGGAT	AGGGTACCAA	TTCCCCTTTC
	57421	AGAGATCACG	GACACCATTG	ATAAGTTGG	CAAGTGTCT	TCTAAAGCAA	CGTACGTACG
	57481	AAATAACCAC	AAAGTTGAAG	CCTTTAATGA	GGATAAAAAT	CCACAGGATA	TGCCTCTAAT
10	57541	CGCATCAAAA	TATAATTCTG	TGGGATCCAA	AGCATGGCAT	ACTACCAATG	ACACGTACAT
	57601	GGTTGCCGGA	ACCCCCGGAA	CATATAGGAC	GGGCACGTCG	GTGAATTGCA	TCATTGAGGA
	57661	AGTTGAAGCC	AGATCAATAT	TCCCTTATGA	TAGTTTGGG	CTTTCCACGG	GAGATATAAT
	57721	ATACATGTCC	CCGTTTTTG	GCCTACGGGA	TGGTGCTAC	AGAGAACATT	CCAATTATGC
	57781	AATGGATCGT	TTTCACCACT	TTGAGGGTTA	TAGACAAAGG	GATCTTGACA	CTAGAGCATT
15	57841	ACTGGAACCT	GCAGCGCGGA	ACTTTTTAGT	CACGCCTCAT	TTAACGGTTG	GTTGGAACGT
	57901	GAAGCCAAAA	CGAACCGGAAG	TTTGTTCGCT	TGTCAAGTGG	CGTGAGGTTG	AAGACGTAGT
	57961	TCGCGATGAG	TATGCACACA	ATTTTCGCTT	TACAATGAAA	ACACTTTCTA	CCACGTTTAT
	58021	AAGTGAAACA	AACGAGTTA	ATCTTAACCA	AATCCATCTC	AGTCAATGTG	TAAAGGAGGA
	58081	AGCCGGGCT	ATTATTAACC	GGATCTATAC	AACCAGATAC	AACTCATCTC	ATGTTAGAAC
20	58141	CGGGGATATC	CAGACCTACC	TTGCCAGAGG	GGGGTTTGT	GTGGTGTTC	AACCCCTGCT
	58201	GAGCAATTCC	CTCGCCCGTC	TCTATCTCCA	AGAATTGGTC	CGTAAAAACA	CTAATCATTC
	58261	ACCACAAAAA	CACCCGACTC	GAAATACCAAG	ATCCCACGGA	AGCGTGCCAG	TTGAGTTGCG
	58321	TGCCAATAGA	ACAATAACAA	CCACCTCATC	GGTGGATT	GCTATGCTCC	AGTTTACATA
	58381	TGACCACATT	CAAGAGCATG	TTAATGAAAT	GTGGCACGT	ATCTCTCGT	CGTGGTGCCA
25	58441	GCTACAAAAT	CGCGAACGCG	CCCTTGGAG	CGGACTATTT	CCAATTAAAC	CAAGTGTCTT
	58501	AGCGAGCACC	ATTTTGGATC	AACGTGTTAA	AGCTGTTATT	CTCGGCGACG	TTATCTCCGT
	58561	TTCTAATTGT	CCAGAACTGG	GATCAGATAC	ACGCATTATA	CTTCAAAACT	CTATGAGGGT
	58621	ATCTGGTAGT	ACTACGCGTT	GTATAGCCG	TCCTTTAATT	TCAATAGTTA	GTTTAAATGG
	58681	GTCCGGGACG	GTGGAGGGCC	AGCTTGGAAC	AGATAACGAG	TTAATTATGT	CCAGAGATCT
30	58741	GTTAGAACCA	TGCGTGGCTA	ATCACAAGCG	ATATTTCCTA	TTTGGGCATC	ACTACGTATA
	58801	TTATGAGGAT	TATCGTTACG	TCCGTGAAT	CGCAGTCCAT	GATGTGGAA	TGATTAGCAC
	58861	TTACGTAGAT	TTAAACTTAA	CACTTCTTA	AGATAGAGAG	TTTATGCCGC	TGCAAGTATA
	58921	TACAAGAGAC	GAGCTGCCGG	ATACAGGATT	ACTAGACTAC	AGTGAATTTC	AACGCCGAAA
	58981	TCAAATGCAT	TCGCTGCGTT	TTTATGACAT	AGACAAGGTT	GTGCAATATG	ATAGCGGAAC
35	59041	GGCATTATG	CAGGGCATGG	CTCAGTTTT	CCAGGGACTT	GGGACCGCGG	GCCAGGCCGT
	59101	TGGACATGTG	GTTCCTGGGG	CCACGGGAGC	GCTGCTTCC	ACCGTACACG	GATTTACAC
	59161	GTTTTATCT	AACCCATTG	GGGCATTGGC	CGTGGGATTA	TTGGTTTGG	CGGGACTGGT
	59221	AGCGCCCTT	TTTGCCTAC	GGTACGTGCT	TAAACTTAAA	ACAAGCCGA	TGAAGGCATT
	59281	ATATCCACTC	ACAACCAAGG	GGTTAAAACA	GTTACCGAA	GGAATGGATC	CCTTGTCCGA
40	59341	GAAACCCAAC	GCTACTGATA	CCCCAATAGA	AGAAATTGGC	GACTCACAAA	ACACTGAACC
	59401	GTCGGTAAAT	AGCGGGTTG	ATCCCGATAA	ATTCGAGAA	GCCCAGGAAA	TGATTAATA
	59461	TATGACGTTA	GTATCTGCGG	CTGAGCGCCA	AGAATCTAAA	GCCCGAAAAA	AAAATAAGAC
	59521	TAGGCCCTT	TTAACCTCAC	GTCTTACCGG	CCTTGCTTTA	CGAAATCGCC	GAGGATACTC
	59581	CCGTGTTCGC	ACCGAGAATG	TAACGGGGGT	GTAAATAGCC	AGGGGGTTG	TTTTAATTAA
45	59641	TTAATAAAAA	TGTGTATTAC	GTTACTCATG	TGTCTCCATT	ACGCATCACA	GGGGGTATTT
	59701	ATACCCGATA	ATATACAAA	CGCGTTTTGT	ACCTCTACCG	CACCCGATAT	CTTAACGGGG
	59761	TTATTATGGA	ATCGTCTAAC	ATTAACGCGC	TACAACAACC	GTCGTCTATC	GCACATCATC
	59821	CGTCAAACAA	GTGCGCTTCA	AGTCTCAATG	AAACAGTAAA	AGATTCTCCC	CCCGCGATTT
	59881	ATGAAGATAG	GTTAGAACAC	ACGCCGGTAC	AATTACCCCG	CGACGGTACA	CCCCGAGACG
50	59941	TATGTTCTGT	GGGACAGCTA	ACCTGTCGAG	CATGTGCAAC	GAAACCTTTT	CGCCTTAACC
	60001	GCGACAGCCA	ATACGACTAC	TTAAACACAT	GTCCAGGGGG	CCGTCTATT	TCACTGGCAC
	60061	TGGAGATTAT	AACGGGTGCA	TGGGTTTGC	TCCCGCGTGT	GTTTCCGGAT	ACCCCAGAGG
	60121	AAAAATGGAT	GGCGCCATAT	ATTATTCCAG	ACCGAGAAC	ACCATCATCA	GGGGATGAAG
	60181	ATTCTGACAC	CGATTAAATT	TAACTTAAAT	AAAACCTTAC	CACCCATAAA	AACGCCTTCT
	60241	GTTTGTAA	CACGACACCG	CTTAACAAAA	AAAAAAAAC	CAAACACGCC	TTTTATGAAT
	60301	GTAATACTTT	TATTGTTGG	TTAACACCGC	CCCACCATCA	TCTGATTG	AAACATATCG
	60361	GCGTCGTCTG	CCGTGGACCC	CTGTATTAAA	GGGGCCTTGG	AACTCGCCTC	CACTGCATT
	60421	ACATCTGTC	CAACTGTATC	TGTATGTGGG	GTGCTGTTG	TATTTGGGA	TGAGCATAGA
	60481	CCCGAAACGC	TTTGAAGCTG	TTTTAATAAA	ATCGATATT	GAGGATCCCG	TGTCCCTCT

	60541	GGTATATTTG	TATGGTGCAG	CAAAGGCATT	TGTGTCCCCT	TTTGTGATTT	TAGCTCTGTA
	60601	ACCTCCTGTT	GCAGTTTGC	CACAACCCCA	GCAAGCTCTT	CGTGCTGACC	ATTAGAAACT
5	60661	CTGTGTCTCC	TCTGCCAATA	TGATGGAGAA	ACTCGACGTC	TCCGATGCGT	TATATACGTT
	60721	GGTTCACCGG	GAAAATATAT	ATTGAGGGGA	AACTCTCCGT	CCATTGAGA	CTCCCCACTA
	60781	TAAAAAAGAAT	CCAATTCCCT	TTGATCCATG	CTCTTGAAT	CCCGTTTCC	TGGACGACGG
	60841	ACATCGGTTT	TGTCTGGAAA	ATTACACAC	GGGGTCTGCA	AGTCAATACC	CCGTTGGCG
10	60901	GCCAATGCGT	TCATAAATGC	GGACATTGCA	ATTTCCAAC	GATTGGGTGG	TGGATATCCC
	60961	GGAAACCCGT	ACGGTCCCCC	GAAGTGTCCC	GGAGGGCAAC	CATAACCCCC	TGTATTAGGT
	61021	GGGAAGGCAG	GCGGGTGTGG	AGATCCATAT	GGCCCGACGA	TATACTGTCC	GTTATTGGA
15	61081	GCTCCAATTG	ATACCTGCGG	ATTTTTAGTC	TGCCCCGTTA	ACAGCTGTGA	ATAATACGCG
	61141	GTAGGTATCA	GTACAAATTG	CCCTCCGGTT	GGAACGCCCC	ACGGGGGCTG	TGGTGAGATA
	61201	TTACTAGCGT	TACCTGCTAC	AGAACGCCATA	TCGCTGTCGT	TCCTACACAA	CTGCGTAACC
	61261	TTTAAATGCG	GAACAGTCTT	TTCACAAATCT	TCATTGATT	CCCCAACACC	CAACGCGAGA
20	61321	TCGTATATGG	GCCCCGCCGG	GTGGAATGTG	GCGTTATAA	CACCCGCGTT	GGGTAATTAA
	61381	GACTCCACCC	CATTAACGTT	GGTTATCCGA	GCAAGTCCAT	ATCCGGTGCT	AGCCTGAAGA
	61441	TAAACGTGAC	CCATAATTCC	GGCTTCGCGT	CTACGTTTTG	CAACCACGTC	CCATCTATCT
	61501	CTTAAAAGCA	TATTGTCAC	GGCTGTGGAT	AATAACACCT	TGGCGAGTTT	ATCTTCGCTA
	61561	ACCTTCCATA	CTTTATTAA	ACCCGCGTAG	TCTTTAACCA	GCGACAATAA	CCGCGCTTTA
25	61621	CTTTCCATCG	ATAAAACCCG	GAATGGTTCA	ATTGAAGATT	CCGGGGTACA	GTCATAATTG
	61681	ACCACTGTT	CAACCGCTC	TCCAACAAAC	CATAACGCAA	CATGGGTTAA	AAAATTACCG
	61741	TCTGGTATCT	CATTGGGGA	CAATCGTTT	GAAGACAGGG	ATACGGAGGG	TAAGTAATT
	61801	GTGACCAAGT	ATAACGACG	TTCTAGCGGA	GATAATACAG	ATATCTATT	TCCAAAAAAA
	61861	TTCGAATGGG	CCGCTTCAA	CAGCACCGCA	TGTAGTTGAG	GGCATCTAAC	GATACCCAAA
30	61921	AAAAAAGGTC	CGCGTATGTC	CTCAATGATT	GCGATTACTT	CACCCACGAC	ACAGTCTTTT
	61981	CGATGATCGA	TGTTTATTGG	TATTTTACTA	GTAGGCGGCA	AAGCGGACCG	CACAATCTCT
	62041	GGGGTAATAT	TTAATTCCCC	TTCGTCCTT	GAATATAAGG	CTAAATACCC	AGCCACGTAT
	62101	AACGCTTCAC	AGTTCTCTTC	GTCACTTCA	GCAGCCATTA	TAACACCCCC	ACGGACCGGA
	62161	TAGTGAATAC	TCACGGTGTG	GAGGCAAAC	GAGGAATGAC	ACCCAAACAG	ACAAAATATA
35	62221	GAAGATCATA	GTCACTGTTA	ACGTTGAAC	GCGCAAGGCG	GCGACTTTCT	TCCAATGCCG
	62281	CCCTTACACG	CGGTTGGTGC	ATTAACATTG	CAAGTCCCCG	TTCATATTGC	AACATAACAC
	62341	TGTCAATGAT	TGATACCAACG	GGGGCTATGG	GTAGGGATGT	AACATTGTTG	CGGCGGTGTT
	62401	CTAATTCCAA	TGCAATTAAAG	CTTATGAGCC	GATCTGGTA	CTGTCAGAA	GAATATCTA
	62461	TTACGGTTCT	TCCTAAACTT	CCACGACTAA	GCTGGGTATG	CGCGTCTAAA	CAAAGAGCAA
40	62521	CTAATCCAGG	AAACATTTC	GTCACTCTG	TGGTCCGATT	TAACGTATAC	AGTGGTGCTA
	62581	TATATCGTT	ACATAAAAAT	TGAAAGTTAT	TATTACCGCT	TTTAAACTTC	CCATCAAACC
	62641	CCGTCGCTCC	GCGCAAGGATT	ACATTGTTGG	TAGGGGTTCC	TGTTGCTTCT	GACACAATCA
	62701	AACCCAGTTG	AAAATTATTT	TTTAGTTTAT	CTCCGTATAC	GTTCCCGTTC	CATAATAAGC
	62761	GCCTTAATAA	TAATAACGCC	GTAACTGTGT	CAATTGTTAA	CCTTAATAGA	GTTGGTCTT
45	62821	CCATAAGAAA	CACGTTTGG	GCCC GTTCTA	AATACGCCGC	GGCCGCCTGT	TGAATCTTGT
	62881	CCACATATGC	GGTATGATTG	CGATCAATAA	TGTCAATTAC	CCCAGGATTA	AACTGTCCAG
	62941	GTGCAGGCGG	TAGGACCTGC	AACCGTATAA	GCGCATCCAT	AACAGAATGT	GACGTTAAGG
	63001	CGCCTTGATC	ATACCGCCCC	CCACGAGCAT	GAAACTGGTC	GGGTGGTAGA	CGATCATAGC
	63061	AAAATTGATA	ACTGTTTTA	TTTCGTGTG	TTGTCATATA	ATTACAAAT	GTCTCAGTAT
50	63121	ATTCCGGTAG	GTGCTCTATA	AGGTTCCCGA	AGGACGAAAC	TTGAGGTTCG	TGGACACTAT
	63181	TAGATGTCCT	ATACATTAAA	TATAAACATA	ATACCGCACA	CTCGAACCG	GAGTACGCTC
	63241	TATCTCCAAC	ATACATTCTC	CCGGCGGACT	GTAGACATGT	TACCGTTGTG	TTCATAAACG
	63301	TACGGGAAAT	GCGCCCGTCT	TTACAATCAA	CTCCGCGTGC	AGCTACGGGC	CTATCTAAC
	63361	CAAGCCGTT	CTGCAGAGTA	CGATACCATG	GCCCCAAAAC	AATCCCTGGA	GAGTTATTGC
55	63421	CCCTGCCCT	TCCCAAGTAC	ACCAAGGTTG	TAAAATCCAC	TTGAAAGTTT	GTATCGTACT
	63481	GCAACGGTGC	ATCATTGTTG	GCAATCTGTA	CCTCGGGGTG	TATAGACTCA	TTCGCTTATTA
	63541	TTTCTGTACG	TGTACATTCC	TCAGATTGTTG	CATCTGCTTC	TTCCGCCTCG	GCAGCAGCCG
	63601	TCTCCAGGGA	ATCCAAAACC	TTGGCCATGC	GCGTTAGTTG	TTCTTCGAGG	GGCTTTAAAC
	63661	GACGATCTAT	TTCCGTTGGT	AACGTAATCG	TTTCCCCGCG	AAGGTTGTCT	AATGCGGCAA
	63721	CGGCCGCCGC	ATTTTTAAC	GTAACTGTAT	TTTTTCCCAA	ATCGGGATTC	ATACGCCCTC
	63781	TTAACTCAAA	CGCGGGAGCC	GTCCAGTAGT	GTATGGGAA	GTTGGGGCT	ATAAAGTTCT
	63841	TAGTGGTAGA	CAAAATATC	CCACATTAT	TCGGAACGGA	GATAGATCCG	AACCCATATC
	63901	TCGCCGTAT	GGTGTCTGCA	GCAAACAAAG	TCAACTGGCG	TGAATATAAA	CCGGTACTG
	63961	TTTAAAGCT	GTTTCTTAC	CCATGGGAAA	ACATCCCGGT	TATACTTTGT	AAAATTCCAC
	64021	CACAAGCACC	TAAAGAAGGC	CTTCTAAGGG	GTAAATCCAC	CCCACAAGCT	GCATTTCTT

	64081	CAAACTTTGT	TAAAGCGGAA	CGATGGCATG	ATTCGCACG	CTTTTCGCCA	AGAGAACATA
	64141	CGTGAATT	CTTTTGCAT	AGACGCTTC	GCTCTCAAC	GGACCTTATC	GGGGGGGTAT
5	64201	ATTCCGCTAC	ATTCTCCAAA	TGCGACGCTA	GCATAACAAG	GTTCATGAA	ATCACCTTG
	64261	GGGGTAACCG	AGTTACCTGT	AACAGGTTCA	GACCCGTTG	AGATACAAAC	ACAAGGAGGG
	64321	GGGTCACCAC	TATTCATCA	GATCCCCTGG	GTGTGGTTTC	CTTTATTAAA	GCCATGGTAT
	64381	CCCTCAGCTG	GCGCATACCC	TCGCAAAACT	GGTGATACCT	AGTAGGGGTA	TGTATATTAG
10	64441	CGCTAAACG	GCAAGATT	AATTCCACTA	AAAACAAAC	GGTCTTCCG	GCACCACTGG
	64501	ATTCCGTTTG	TATAATACAA	ACACAATCGG	GGCGTGGCG	TCCCAAATT	ACTTCAAACG
	64561	ACATTGATAT	GCGTACAGCC	CTTGAAACAT	CCACGTGGGA	TAACGGCCAC	AGGAGTTTG
15	64621	CCAGCCTCGG	GTTGAACGCG	TCCCGAAAC	CTCGACGTAC	GTTATCAATA	TCCCTTTGGA
	64681	GTACATCGTA	AAAACGAGTG	TGCGAACGTT	GTCCCCAACG	AAAACACTTG	GCCCGAATTG
	64741	GACTAGCGGA	CATATTGAA	GTTCCTGCCC	AGAAGATAAC	CTAAGACCGC	TTTGTCTACA
	64801	ATAAACATGT	CAACGGATAA	AACCGATGTA	AAAATGGCG	TTTTGCGTAT	TTATTTGGAC
	64861	GGGGCGTATG	GAATTGGAAA	AACAACCGCC	GCCGAAGAAT	TTTTACACCA	CTTTGCAATA
20	64921	ACACCAAACC	GGATCTTACT	CATTGGGAG	CCCCTGTCGT	ATTGGCGTAA	CCTTGCAGGG
	64981	GAGGACGCCA	TTTGCAGGAAT	TTACGGAACA	CAAACCGCC	GTCTTAATGG	AGACGTTTCG
	65041	CCTGAAGACG	CACAACGCC	CACGGCTCAT	TTTCAGAGCC	TGTTCTGTT	TCCGCATGCA
	65101	ATTATGCATG	CGAAAATCTC	GGCATTGATG	GACACAAGTA	CATCGGATCT	CGTACAAGTA
	65161	AATAAGGAGC	CGTATAAAAT	TATGTTATCC	GACCGACACC	CAATCGCC	AACTATATGT
25	65221	TTTCCCTTGT	CCAGATACTT	AGTGGGAGAT	ATGTCCTCAG	CGGCGCTTCC	TGGGTTATTG
	65281	TTTACGCTTC	CCGCTGAACC	CCCCGGGACC	AACTTGGTAG	TTTGTACCGT	TTCACTCCCC
	65341	AGTCATTAT	CCAGAGTAAG	CAAACGGGC	AGACCGGGAG	AAACGGTTAA	TCTGCCGTTT
	65401	GTATGGTT	TGAGAAATGT	ATATATAATG	CTTATTAAATA	CAATTATATT	TCTTAAACT
	65461	AAACAATGGC	ACGCGGGCTG	GAACACACTG	TCATTGTTA	ATGATGTATT	AAACAGAAA
30	65521	TTACAAAAAT	CCGAGTGTAT	AAAACATACG	GAAGTACCTG	GGATTGAAGA	CACGTTATTG
	65581	GCCGTGCTTA	AACTTCCGGA	GCTTGCAGGA	GAGTTGGAA	ATATTCTGCC	GTTATGGGCA
	65641	TGGGAATGG	AGACCCTTTC	AAACTGCTCA	CGAACATGT	CTCCGTCGT	ATTATCGTTA
	65701	GAACAGACAC	CCCAGCATGC	GGCACAAAGAA	CTAAAAACTC	TGCTACCCCA	GATGACCCCCG
	65761	GCAAAACATGT	CCTCCGGTGC	ATGGAATATA	TTGAAAGAGC	TTGTTAATGC	CGITCAGGAC
35	65821	AACACTTCCT	AAATATACCT	AGTATTTACG	TATGTAACAG	AAAAAGATG	ATACACATTTG
	65881	TCATACTCGC	GTGTACGGT	TTTTCTTTT	TATATATGCG	TCATTTATTA	CCACATCCTT
	65941	TAATCCCGCC	TTTATCTCCC	AAAAACGGAG	TGGTATATT	AAAAGCCGCC	AAGCCTGTTG
	66001	GTGGGTGAGG	AGGGGTAAG	GCACGCTGTG	TGCATAAACGT	TGCGGTGATA	TTGTAGCGCA
	66061	AGTAACAGCG	ACTATGTTG	CGCTAGTTT	AGCGGTGGTA	ATTCTCCCTC	TTTGGACCAC
40	66121	GGCTAATAAA	TCTTACGTA	CACCAACCCC	TGCGACTCGC	TCTATCGGAC	ATATGTCCTG
	66181	TCTTCTACGA	GAATATTCCG	ACCGTAATAT	GTCTCTGAAA	TTAGAAGCCT	TTTATCCTAC
	66241	TGGTTTCGAT	GAAGAACTCA	TTAAATCACT	TCACTGGGGA	AATGATAGAA	AACACGTTT
	66301	CTTGGTTATT	GTAAAGGTTA	ACCCTACAAAC	ACACGAAGGA	GACGTCGGGC	TGGTTATATT
	66361	TCCAAAATAC	TTGTTATCGC	CATACCATT	CAAAGCAGAA	CATCGAGCAC	CGTTTCTGTC
45	66421	TGGACGTTT	GGATTCTTA	GTCAACCTGT	GACACCCGAC	GTGAGCTTCT	TTGACAGTTG
	66481	GTTTGCGCCG	TATTAACCA	CGAACATCT	TGTTGCCTT	ACTACGTTCC	CACCAAACCC
	66541	CCTTGTATGG	CATTGGAAA	GAGCTGAGAC	CGCAGCAACT	GCAGAAAGGC	CGTTTGGGGT
	66601	AAGTCTTTA	CCCGCTCGCC	CAACAGTCCC	CAAGAATACT	ATTCTGGAAC	ATAAAGCGCA
	66661	TTTTGCTACA	TGGGATGCC	TTGCCCCGACA	TACTTTTTT	TCTGCCGAAAG	CAATTATCAC
50	66721	CAACTCAACG	TTGAGAATAC	ACGTTCCCT	TTTGGGTG	GTATGGCCAA	TTCGATACTG
	66781	GGCCACCGGT	TCGGTGCCTC	TCACAAGCGA	CTCGGGTCGT	GTGGAAGTAA	ATATTGGTGT
	66841	AGGATTATG	AGCTCGCTCA	TTTCTTTATC	CTCTGGACCA	CCGATAGAAAT	TAATTGTTG
	66901	ACCACATACA	GTAAAACGTG	ACCGGGTTAC	AAGCGACACC	ACATGGTCC	AGCTAAATCC
	66961	ACCGGGTCCG	GATCCGGGGC	CATCTTATCG	AGTTTATT	CTTGGACGTG	GGTGGATAT
55	67021	GAATTTTC	AAGCATGCTA	CGGTGATAT	ATGCGCATAT	CCCGAAGAGA	GTTGGATTA
	67081	CCGCTATCAT	TTATCCATGG	CCACACGGG	GGCTCTGCGG	ATGACAACGA	AGGCGGATCA
	67141	ACATGACATA	AACGAGGAAA	GCTATTACCA	TATCGCCGCA	AGAATAGCCA	CATCAATT
	67201	TGCGTTGTCG	GAAATGGGCC	GTACCAACAGA	ATATTCTG	TTAGATGAGA	TCGTAGATGT
	67261	TCAGTATCAA	TTAAAATTCC	TTAATTACAT	TTTAATGCGG	ATAGGAGCAG	GAGCTCATCC
	67321	CAACACTATA	TCCGGAACCT	CGGATCTGAT	CTTTGCCGAT	CCATCGCAGC	TTCATGACGA
	67381	ACTTCACTT	CTTTGGTC	AGGTAAAAC	CGCAATGTC	GATTATT	TTTCATATGAA
	67441	TGAAGCCCGT	GATCAACTAA	AGACCGCATA	CGCGCTTCC	C GTGGTCAAG	ACCATGTGAA
	67501	TGCACCTTCT	CTCGCCAGGC	GTGTTATAAT	GAGCATATAC	AAGGGGCTGC	TTGTGAAGCA
	67561	AAATTTAAAT	GCTACAGAGA	GGCAGGCTTT	ATTTTTGCC	TCAATGATT	TATTAATT

	67621	CCGCGAAGGA	CTAGAAAATT	CATCTGGGT	ATTAGACGGT	CGCACAACTT	TGCTTTAAT
	67681	GACATCCATG	TGTACGGCAG	CTCACGCCAC	GCAAGCAGCA	CTTAACATAC	AAGAAGGCCT
	67741	GGCATACTTA	AATCCTCAA	AACACATGTT	TACAATACCA	AACGTATACA	GTCCCTGTAT
	67801	GGGTTCCCTT	CGTACAGACC	TCACGGAAGA	GATTCATGTT	ATGAATCTCC	TGTCGGCAAT
5	67861	ACCAACACGC	CCAGGACTTA	ACGAGGTTATT	GCATAACCAA	CTAGACGAAT	CTGAAATATT
	67921	CGACGCGGCA	TTTAAAACCA	TGATGATTTT	TACCACATGG	ACTGCCAAAG	ATTGCACTAT
	67981	ACTCCACACC	CATGTACCAAG	AAGTATTTAC	GTGTCAGAT	GCAGCCGCGC	GTAACGGAGA
	68041	ATATGTGCTC	ATTCTTCCAG	CTGTCCAGGG	ACACAGTTAT	GTGATTACAC	GAAACAAACC
10	68101	TCAAAGGGGT	TTGGTATATT	CCCTGGCAGA	TGTGGATGTA	TATAACCCCA	TATCCGTTGT
	68161	TTATTTAACG	AGGGATACTT	GGGTGTCTGA	ACATGGTGT	ATAGAGACGG	TCGCACTGCC
	68221	CCATCCGGAC	AATTAAAAG	AATGTTTGTA	TTGCGGAAGT	GTTTTCTTA	GGTATCTAAC
	68281	CACGGGGGCG	ATTATGGATA	TAATTATTAT	TGACAGCAA	GATAACGAAAC	GACAACCTAGC
	68341	CGCTATGGGA	AACTCCACAA	TTCCACCCCTT	CAATCCAGAC	ATGCACGGGG	ATGACTCTAA
15	68401	GGCTGTGTTG	TTGTTCCAA	ACGGAACGT	GGTAACGCTT	CTAGGATTG	AACGACGACA
	68461	AGCCATACGA	ATGTCGGGAC	AATACCTGG	GGCCTCTTA	GGAGGGCGT	TTCTGGCGGT
	68521	AGTGGGTTT	GGTATTATCG	GATGGATGTT	ATGTGGAAAT	TCCCACCTTC	GAGAATATAA
	68581	TAAAATACCT	CTGACATAAA	AAACATGTAT	AATAAAAAGT	CACTATAAAC	GTATTCTCTA
	68641	CAATACTTTA	TTCGCGAATA	ATACACACTA	CCTTGGGTT	TTTTTCCCGT	CCCCAAATGG
20	68701	TGTTTGGTGC	ACTCTACCA	AAAATAGAGC	GCCTAAATAT	GCTATATAAC	GCCTCCCAGC
	68761	AAAAATACGGT	TCAAAGGCAT	TACCCGATAT	TGTATTGTA	TACAGGGCAA	TGGGAATTGA
	68821	TGATCCCAAT	AAACGGCATA	GACGCACAGC	GCCGTTATAG	CAGGGTCTC	CAGAGTACAG
	68881	GGTATCTAAG	TACCGGGATA	TCTCATACTC	ATGCCCTTCC	GTGACAGAAA	CATCAACCGG
	68941	AACAGTATCC	GATAAACCAA	CTCCTGTTT	TGCAAGCGT	AAAATTCGCA	CACCTTCCTT
25	69001	TTTGCAAGA	TGTGACGTTT	CCCTGTAA	GGGAAGCTGG	GGGAGTGGTA	AGAACAAACAA
	69061	AGTTTCAGCC	AACGTGCCAA	TAAGGCCAC	TTCCCTCAAG	AGGCTGTTT	CTGTATCCAC
	69121	AATGGTCCGT	ATTAAATCTT	GAGCAACTTG	ATCCGTTGTC	TCATCACTGG	GTAACGCGTT
	69181	AAACATAACTA	CGCGTTAAAT	CTTCATAAAC	GGCATAACAA	TTAAACGCTT	CCCACCGAGA
	69241	CAGTATATAT	TGAACATCA	CGAACCGTTG	ACAGGACGTC	AGATCACGTC	CGTAAGCATG
30	69301	CCCGAAAAAT	GGAAAGTCCC	CCCGTTGCC	ATATACCGCA	ACAACGTCAG	TATATATCGT
	69361	CTCACGGGCT	TCATTAAGTT	CATCTCAAG	TCCAGGCCAT	TTTCTGGCTT	TAAATATAAC
	69421	CTCGTCCGCA	AAAAAAACCG	CACATGATAA	CGCGCGGATA	CAATGAGTAG	TGGCTTTATG
	69481	GCGGAGGATCC	CAAATGTCCA	TTACCCGGGG	GATGGTCTA	ATCTGTACAA	AGTTACTTAG
	69541	TGTAATATGA	TCGGACTCT	TACGCCGCT	AGGCTGTTTC	TCAGAATACG	GTTCACCGA
35	69601	AATCGGCACA	TCATCTGCTT	TTACGTCTTC	CGTAACCACA	TCAGCAGCGC	GCCGACTAAC
	69661	AATTATACTT	GTTCATTCAT	CGTCGTTACT	TCCGTTAACG	GCGCTCGTA	TCTCGGGCGT
	69721	CCCGTCGAAT	AATCCACTCA	CTAGCTCTG	CAAACTTCT	GGTAACCTCA	ACATACGCAT
	69781	ATACACCAAT	GAAAAACTGG	CTTCGTTTGG	TACGTACATA	AAGCCATTG	TGGTATTAAT
	69841	GGCGGTGGGT	GTTGAAACA	ATTTAGCTT	ATTCTCGCGC	GTAACATCTA	CCCCCGCCAC
40	69901	CAATGTTAAA	TGCGTCACGG	GGAGGGACAC	GAGATAATCT	GCGAGCGTAG	GGTCCTCCAC
	69961	TTCAACATCA	AATGTCGGC	AAAGGTCCG	ATCCACCGCC	CCCAGTCCC	CTGCAAGTAA
	70021	GGCCACTCGA	TCCAAAACA	CGCAGTTATT	ATTGGATGAT	ACCGCCCCATG	TCTTCCCGGT
	70081	GCGATTGAGC	TCACTTCGA	CGTAACCTGGC	AACAGATCTG	TCACCGGGTC	CGACCCCCGCG
	70141	AACAAACATGT	CCAAATTCTT	CGATCTCGCC	TCCATGTTG	CGGGGTATGG	AAATTAAGCA
45	70201	TCCCCCGCAT	ATAAAAATACG	CCCTGGTAGC	ACGCTCGTTA	AAATAAAACG	TTACGCCGT
	70261	ATAAGATACG	GTTGAATGAT	ATGGAAATT	CATATTAAG	CGTTTATCGG	ACATTAAC
	70321	TCGAACCTGC	CGTCCCGTGA	TCGTGTGATC	GCCACACCTA	GGTCCACACC	GAATATGAGA
	70381	AATATATAAC	TACACGCAA	CATTCAAAAC	ACCGTGGTAT	CATTAACGTC	ATATGAAAAG
	70441	ATCCAATCAA	TCCAATCAAC	CACACCTCCT	ACCGTTAGC	ACGTCACTA	TGTGACATGC
50	70501	TCCAAACATA	CGTAAACATT	TAGAGAGGGT	GTTATAACAG	TCTGTCA	GGGGTATATT
	70561	CTACATAATA	CAAGGATCGG	CTTAACTTT	GTCAACATT	TTACTTGG	CTATAAACTG
	70621	CGACTGAACG	TTATGAACCC	ACCCCAAGCC	CGCGTCTCGG	AACAGACAAA	GGACTTGCTT
	70681	AGCGTTATGG	TTAACCCAGCA	CCCCGAAGAG	GACCGAAAAG	TGTGAAATC	CAGTGATAAT
	70741	TCACCGCTTT	ATAACACCAT	GGTTATGTTA	TCGTATGGGG	GTGATACGGA	CTTACTTATTA
	70801	AGCTCTGCAT	GTACCCGCAC	ATCTACCGTA	AACAGGTCGG	CGTTTACGCA	ACACTCCGTG
55	70861	TTTTATATTA	TATCCACGGT	GTTGATTCAA	CCAATATGTT	GTATCTCTT	TTTTTTTAC
	70921	TATAAAAGCGA	CACGCTGTAT	GCTCTTATTC	ACAGCCGGGT	TACTTCTGAC	GATTCTACAT
	70981	CACTTCGAC	TTATTATTAT	GTTATTGTTG	GTCTACAGAA	ATATACGATC	AGACCTGCTA
	71041	CCCTTATCTA	CATCCCAGCA	ACTGCTGCTT	GGAAATTATTG	TTGTGACTCG	AACAATGCTA
	71101	TTTGTATTA	CGGCGTATTA	TACTCTTTT	ATAGACACCC	GGGTGTTCTT	TTTGATTACC

	71161	GGACACTTGC	AAAGTGAGGT	TATTTTCCA	GATAGCGTTT	CAAAAATACT	TCCTGTGTCG
	71221	TGGGGTCCAA	GTCCAGCGT	GTACTGGTA	ATGGCGGCAG	TTATTTACGC	TATGGACTGT
	71281	TTGGTGGACA	CGGTATCCTT	TATTGGGCCA	AGGGTGTGGG	TCCGTGTTAT	GTAAAAAACAA
5	71341	TCTATTCGT	TTTAGTCCAT	TTCAATAAAT	GTACTATAAT	TGTCAGTCT	AAAAATAATG
	71401	TTGGGTATTT	ATAATTACCG	CCCCGTGTT	ACTTGGAAAC	ACCCATACAT	ATGTTCCACT
	71461	CTACATCAAA	CTTCTCGCAG	TTTCTTGTG	CCCGCACACG	TTTACACGTC	CGGATTCAAG
	71521	TCGCAACGCT	GCTGACAAAA	TGACAACGGT	TTCATGTCCC	GCTAACGTGA	TTACTACAAC
	71581	GGAATCTGAT	CGTATTGCTG	GGTTATTTAA	CATCCCAGCG	GGGATCATT	CAACTGGAAA
10	71641	TGTGCTGTCA	ACCATAGAGG	TGTGTGCACA	CCGTTGCATT	TTTGATTTT	TTAAACAAAT
	71701	ACGATCAGAT	GATAACAGCC	TTTACTCGGC	TCAATTGAT	ATTCTTTG	GGACATACTG
	71761	CAATACATTA	AACTTTGTG	GTTTCTAGA	ACTTGGACTG	TCTGTCGCTT	GCATCTGTAC
	71821	TAAATTCG	GAGCTGGCTT	ACGTGCGAGA	TGGCGTTATT	CAATTGAGG	TACAACAAACC
	71881	CATGATAGCA	CGTGATGGCC	CACATCCCCT	CGATCAGCCT	GTTCATAATT	ATATGGTTAA
15	71941	GCGGATACAC	AAGCGTTCGT	TAAGCGCTGC	TTTGCAATT	GCATCGGAAG	CGTTGAGTTT
	72001	GTAAAGTAAC	ACATATGTG	ATGGGACAGA	GATTGACTCA	TCGTTACGTA	TAAGAGCTAT
	72061	CCAACAGATG	GCTCGTAATT	TACGCACCCT	TTTGGACTCA	TTTGAACAGG	GCAC TGCCGA
	72121	TCAACTTCTT	GGTGTCTAT	TGGAGAAAGC	CCCACCGCTA	TCGCTGCTT	CACCAATTAA
	72181	TAAATCCAA	CCCGAGGGAC	ATCTAAATCG	TGTTGCACGC	GCGGCCCTAC	TTTCGGACCT
20	72241	CAAACGTAGA	GTCTGTGCGG	ATATGTTTT	TATGACCCGA	CACGCCAGGG	AACCTAGGCT
	72301	GATCTCTGCG	TATCTGTGCG	ATATGGTTTC	GTGCACCCAA	CCATCGGTGA	TGGTATCAGC
	72361	AATAACTCAT	ACAAACACTC	GCGGACGGCA	GGTTGACGGT	GTGTTGGTAA	CAACAGCAAC
	72421	CTTAAAACGG	CAACTATTAC	AGGAAATTTC	ACAAATTGAC	GACACCGCCG	CTGACGTACC
	72481	AGTAACATAT	GGCGAAATGG	TTCTACAGGG	GACAAACTTG	GTAACCGCCC	TTGTGATGGG
25	72541	AAAGGCCGTC	CGCGGAATGG	ATGATGTAGC	CCGCCATCTC	TTTGATATAA	CCGACCCCTAA
	72601	CACGTTAAC	ATACCGTCTA	TACCCCCACA	ATCCAACCTC	GATTCAACGA	CAGCTGGGCT
	72661	TCCGGTTAAC	GCCCCGTGTC	CTGCGGATT	AGTGTGTT	GGGGATAAAC	TTGTATTCTT
	72721	AGAAGCATT	GAACGGCGGG	TCTACCAAGC	TACGCGCGTT	GCCTACCCCTC	TTATTGGAAA
	72781	TATAGATATT	ACGTTATCA	TGCCAATGGG	AGTGTGTTAG	GCAAACCTCA	TGGACAGATA
30	72841	TACACGACAC	GCCGGCGATT	TTTCAACTGT	ATCCGAACAG	GATCCACGTC	AATTCCACC
	72901	CCAAGGGATT	TTTTTTATA	ATAAAGATGG	GATATTAACA	CAGTTGACTC	TTCGTGATGC
	72961	AATGGGTACC	ATCTGCCACA	GTTCATTGCT	TGATGTCGAG	GCCACACTTG	TTGCCCTCCG
	73021	CCAACAACAT	TTAGATCGTC	AGTGTGTTTT	TGGGTGATAC	GTGGCCGAGG	GTACAGAGGA
	73081	CACATTGGAT	GTTCAATGG	GGAGGTTTAT	GGAAACGTGG	GCAAGATATGA	TGCTCTCATCA
35	73141	CCCTCATTGG	GTAAACGAAC	ATTAAACAAT	TCTACAGTTT	ATAGCTCCGA	GCAACCCGCG
	73201	TCTAAGGTTT	GAATTAAACC	CCGCCTTGA	TTTTTTGTT	GCACCGGGGG	ACGTAGACCT
	73261	TCCCGGACCG	CAGCGTCCCC	CGGAAGCCAT	GCCAACCGTT	AACGCAACAT	TACGGATTAT
	73321	CAACGGAAAC	ATTCCCGTGC	CTCTATGTCC	CATTTCATT	CGAGACTGTC	GCGGAACCCA
	73381	ACTCGGTTTG	GGAAGACATA	CAATGACCCC	GGCAACCATT	AAAGCCGTAA	AGGATACATT
40	73441	TGAAGACCGC	GCATACCCAA	CTATTTCTA	CATGCTAGAG	GCTGTTATTC	ATGGAAACGA
	73501	AAGAAACCTC	TGTGCGTTAC	TGCGACTGTT	AAACACAGTGT	ATTCGCGGGT	ATTGGGAGCA
	73561	ATCCCACAGG	GTGGCATTG	TAATAACTT	TCACATGTTA	ATGTACATAA	CTACATATCT
	73621	CGGAAACGGT	GAGCTTCCCG	AAGTCTGTAT	TAATATATAT	CGGGATTTCAC	TGCAGCATGT
	73681	AAGAGCATT	CGCCAAACTA	TAACCGATT	TACAATACAA	GGAGAGGGCC	ATAACGGCGA
45	73741	GACCTCGGAA	GCGCTAAATA	ACATCCTTAC	GGATGACACG	TTTATTGAC	CTATTCTATG
	73801	GGATTGTGAT	GCGTTAATAT	ACCGTGATGA	AGCCGCCGA	GACCGACTCC	CCGCAATTG
	73861	TGTAAGCGGG	CGAAACGGAT	ACCAAGCCCT	TCACTTGTG	GATATGGCCG	GGCATAACTT
	73921	CCAACGACGC	GATAATGTGT	TAATCCACGG	GAGACCCGTT	CGGGGAGACA	CGGGTCAGGG
	73981	TATTCCATT	ACTCCACACC	ATGACCGTGA	ATGGGGTATT	CTCTCCAAGA	TTTACTACTA
50	74041	TATTGTCTT	CCTGCATT	CCCCGGGTT	CTGTTGTACA	ATGGGCGTGC	GTTATGATCG
	74101	CCTATACCCCT	CGGTTACAGG	CAGTTATCGT	TCCGGAAATT	CCCGCTGATG	AAGAAGCCCC
	74161	AACTACCCCA	GAAGATCCAA	GACACCCCTC	TCACGCACAC	CAACTCGTC	CGAACTCTCT
	74221	TAACGTTTAC	TTCCATAATG	CACACCTAAC	CGTTGATGGT	GATGCATGC	TCACACTACA
	74281	AGAGTTAATG	GGAGATATGG	CTGAACGAAC	GACGGCCATT	TTAGTATCAA	GCGCCCCCGA
55	74341	TGCGGGAGCC	GCCACGGCAA	CAACCAAAA	TATGAGAATA	TATGACGGAG	CGCTTACCA
	74401	TGGCCTTATT	ATGATGGCAT	ATCAGGCGTA	CGATGAAACC	ATTGCAACGG	GTACTTTTTT
	74461	TTATCCCGTT	CCGGTCAACC	CTCTGTTG	ATGTCCGGAA	CATTGGCAT	CATTGGCGTGG
	74521	AATGACAAAT	GCTAGGGGG	TTTGGCAA	AATGGTACCA	CCAATCCCTC	CTTTCTGGG
	74581	AGCCAACCAC	CACGCAACTA	TACGCCAAC	CGTTGCCTAC	CATGTAACGC	ATAGTAAGTC
	74641	GGATTAAAT	ACTCTTACAT	ATTCTCTTCT	TGGAGGGTAT	TTTAAGTTA	CACCAATATC

	74701	TCTTACACAT	CAACTACGAA	CGGGATTTCA	CCCCGGGATT	GCCTTTACCG	TAGTGCGCCA
	74761	GGATCGCTT	GCCACAGAGC	AACTTTATA	TGCCGAGCGT	GCTTCTGAAT	CGTACTTTGT
5	74821	CGGACAAATC	CAAGTACACC	ATCATGATGC	TATGGGGGG	GTAAACTTTA	CCCTAACCCA
	74881	ACCCAGAGCT	CACGTGGACC	TGGGAGTCGG	GTATACAGCT	GTATGTGCCA	CAGCAGCCCT
	74941	GCGATGCCCT	CTCACGGATA	TGGGCAATAC	TGCCAAAAT	CTTTTTTTT	CACGAGGAGG
	75001	AGTGCCAATG	TTACATGATA	ACGTTACCGA	ATCGTTGCGT	CGTATAACAG	CATCGGGGGG
10	75061	TCGCTTAAAT	CCCACCGAAC	CCCTACCCAT	CTTCGGCGGA	CTACGTCTG	CTACATCGGC
	75121	AGGAATTGCA	CGAGGGCAAG	CCTCTGTGTG	TGAGTTTGTG	GCCATGCCGG	TGTCCACTGA
	75181	CCTACAATAT	TTTAGAACTG	CATGCAATCC	TAGAGGTCGA	GCATCTGGAA	TGTTATATAT
	75241	GGGTGACCGT	GACGCCGACA	TAGAGGCTAT	AATGTTGAT	CACACACAAT	CGGATGTTGC
15	75301	TTATACAGAT	CGAGCAACTC	TTAACCCATG	GGCATCACAA	AAACATTCA	ACGGTGACAG
	75361	GCTATAACAAC	GGAACATACA	ACCTTACAGG	CGCTTCTCCT	ATCTACAGCC	CATGCTTAA
	75421	GTTTTTACA	CCAGCGGAGG	TTAACACTAA	TTGTAATACA	CTGGATCGGC	TTCTAATGGA
	75481	GGCAAAGGCT	GTGGCGTCGC	AAAGCTCCAC	CGACACTGAA	TATCAATTAA	AACGCCCTCC
20	75541	CGGTTCTACC	GAAATGACAC	AGGATCCGTG	TGGCCTTTT	CAAGAACAT	ATCCACCACT
	75601	ATGCTCAAGC	GATGCGGCCA	TGTTACGAAC	GGCTCACGCG	GGAGAAACCG	GGGCAGATGA
	75661	AGTCACTTA	GCCCAATATC	TGATTGAGA	CGCGTCGCC	CTTAGGGGAT	GTCTTCCTCT
	75721	TCCGCGATAA	TTTCACCACG	CCACACATACC	CACTCCCAAT	AAAAGCCCTG	TAGAGCGCAT
25	75781	TGGCATCTTA	CTTGAGATT	GGATACGCTC	GGCCGACTTG	GTCTGTTCA	CGCTTCCTTA
	75841	AACAACATGG	CTATGCCATT	TGAGATAGAG	GTATTGTTAC	CAGGAGAACT	ATCCCCGGCG
	75901	GAAACATCTG	CATTACAGAA	ATGTGAGGG	AAAATTATTA	CCTTCTCAAC	CCTGCGTCAT
	75961	CGAGCTTCAC	TGGTGGATAT	AGCGCTGTCG	TCATATTACA	TTAACGGTGC	TCCACCAGAC
30	76021	ACGCTCTCGC	TGTTAGAGGC	ATACCGAATG	CGATTGCGGG	CAGTTATAAC	ACGGGTCATC
	76081	CCGGGAAAGT	TGTTGGCGCA	TGCCATTGGC	GTGGGTACTC	CTACACCCGG	GTTGTTTATT
	76141	CAAAATACAT	CCCCCGTTGA	TCTTTGTAAT	GGCGATTACA	TCTGCTTACT	TCCTCCGGTT
	76201	TTCGGGTCCG	CAGACTCAAT	TCGCTTGGAC	TCTGTAGGAC	TGGAAATTGT	TTTCCCTTTA
	76261	ACCATCCCCC	AGACCTTAAT	GCGAGAAATC	ATCGCCAAAG	TGGTTGCAAG	GGCCGTTGAG
	76321	CGCACGGCCG	CGGGTGTCTA	AAATTTCACCC	CACGAAGTT	TACGAGGCGC	GGATGTCATT
35	76381	TGTTACAATG	GAAGGCGTTA	TGAACCTGAA	ACAAATTAC	AACATCGGGA	CGGATCGGAT
	76441	GCGGCTATT	GCACATTGGT	TTTAAATCTA	ATGTTTCCA	TAAACGAGGG	ATGCTGCTT
	76501	TTATTGGCGC	TGATTCCAAC	TTTGTAGTC	CAAGGAGCAC	ACGACGGTTA	TGTAATTAA
	76561	TTGATACAAA	CGGCCAATTG	CGTTAGAGAA	ACCGGCCAGT	TAATTAATAT	ACCGCCAATG
40	76621	CCGCGGATT	AAGACGGCCA	TCGCGATT	CCCATATATG	AAACTATTTC	ATCTTGGATA
	76681	TCAACATCAT	CTAGACTGGG	GGATACCTTG	GGAACTCGCG	CAATTTCAG	CGTCTGTGTG
	76741	TTTGATGGAC	CCTCTACTGT	TCATCCGGGA	GACCGCACGG	CCGTGATTCA	AGTGTAAACA
	76801	GGTGTAAATA	AAAACACAAAC	CAGTCTAGTT	ACATTTCACG	CGTCTTGT	TTATTTAATA
	76861	GGCATAAACA	CGGAATCCGG	TATACATGAA	CTGCCAATAT	ACACGGACAT	AATTAATGCA
45	76921	ACCATCAGAT	CATCTGACAT	TGTTCCCGTG	GTACCTTAC	CCGTGTAAGT	TTTTGTGTCT
	76981	AGATTACCC	TACCGCCTT	AATTACCTCT	GTCAGGTTAT	CCAACTGTT	ACATAGATAC
	77041	TCCACGGGGT	CTACACTAA	CTTTACTGTT	AGGGATAACAA	GCTCCTGTGA	GGCTATTATA
	77101	TTTCCGGAGT	TAAATCGTT	AAACAAATAG	TCTACGGCCG	GCGTTTTTG	TTTTTGTAAAT
	77161	AAAAAAAAG	GGTACGCCAC	GCTACATCCG	GGAGGGTATGG	AATGATAAAA	CAGTAACACT
	77221	GGAGCGGAAG	ATAGCACGTT	TCCCTTTCG	AGGACAGCAA	ACTGTTGTG	TATAGCCAAC
50	77281	GATATGGCAA	CTGCAGAAC	CTGGCTGCTG	TTTCCTCTA	TAGAAACGTG	TACGTTGTG
	77341	AATGTATTGG	GGTGTAAAGC	GAGTATGTTG	CCTAACGATT	GAGTAACGCA	ACGCCCTATC
	77401	TCACTGGAAG	ACGTGCCAGT	TAAAGCTCTA	AGAAAAAAAGT	GCTCCAATCC	AAATATAATC
	77461	CAATCCGACT	TATAACGACC	AAACATCGCT	ACACCCAGTAC	CAGACGCTCG	TGTATTTGAG
	77521	GTAAATGCA	GGTCTACGTA	AACTGACAAAC	ACTGACGATA	ATATAGCACA	ATTGCAAC
	77581	GTTGACGGCC	GATATAAAAT	AAACCTCTA	CGGGCAGTT	TTGTAAATAA	TGGCCGGTCA
55	77641	AACCCCCACAC	CCCCAGAATT	CTGTTACGC	CCACCTACAA	TTTCCTGCAC	GAAGGAGTCG
	77701	GCCATAAATA	AATCTGCACT	GCGCCGCATG	GCTCCATCCA	TTGTGATGAA	AACCGGCTTA
	77761	TTTAATACAT	AACACGAAAC	AGCTGTGACA	TCGCTATGTG	CTAAAACACG	CGGCATGTGA
	77821	TCGTGCGATA	CATATGTAAC	AACTGTTAAC	AACTGATCCG	ACGATCCACG	TAAGTTATAC
	77881	AAAAAAACTTG	TACTTGCTT	TCCGGTATT	GTTGATGAA	CAAAAATAAT	TTTACAATTG
	77941	GTTTGATT	AAAATCCGAC	TATAGTTGTT	ACAGCATCAG	GTCGAATAAA	ATTAGCTTC
	78001	TCCACAAACA	GAAGATTTAA	ATCTTGACCT	CGGATACCC	GGAACGATAG	AAAGATATAT
	78061	AGTTACCCCA	CCAAAGTTA	AATGTATCCT	TAAATACCC	GTACGTAAAA	AATGTTTGAA
	78121	TACGTACATA	TTTCTTTT	TTTCCAGTA	CAACCATATC	CGGTGTATAA	TGGAAGCCCCA
	78181	TTTGGCAAAT	GAAACCAAAC	ATGCACTTTG	GCATAATGAT	CACACAAAAG	GATTACTACA

	78241	CGTTGTGATA	CCTAACGGCGG	GGCTTATTGC	GGCCGGAATA	GATCCCGCAT	TACTGATTTT
	78301	AAAGAAACCC	GGACAACGCT	TCAAGGTTGA	AGTACAAACA	AGATATCATG	CTACAGGGTCA
	78361	ATGCGAACCG	TGGTGTCAAG	TTTCGCCGC	GTACATTCCC	GATAACGCC	TAACAAATCT
	78421	CTTAATACCA	AAAACGGAAC	CATTTGTTTC	ACACGTTTT	TCGGCCACGC	ATAATTCAAGG
5	78481	GGGATTGATT	TTATCATTGC	CTGTTTATCT	TAGCCCCGGT	TTATTCTTG	ATGCATTAA
	78541	CGTTGTAGCG	ATACGAATAA	ATACTGGAAA	CCGCAAGCAC	CGTGATATT	GTATTATGTA
	78601	TGCAGAACTA	ATCCCAAACG	GAACGCGTTA	TTTGCTGAT	GGACAACGGG	TACTTTTATT
	78661	ATGCAAACAG	CTGATTGCGT	ATATCCGATG	CACCCCTCGT	CTTGCATCGT	CTATAAAAAT
	78721	ATACGCAGAG	CATATGGTGG	CAGCCATGGG	TGAATCACAC	ACGTCAAATG	GGGACAATAT
10	78781	TGGACCCGTT	TCATCCATAA	TCGATCTG	TCGACAGTTA	ACTTCTGGAG	GTATTGATGA
	78841	CTCCCCTGCT	GAAACACGCA	TACAGGAAA	TAATCGGGAC	GTCCCTGAGC	TAATAAAACG
	78901	GGCCGTAAAC	ATTGTTAACT	CCAGGCACCC	CGTCCGACCT	TCTAGTTCCC	GCCTTGCATC
	78961	TGGGTTGCTT	CAAAGTCAA	AGGGCCACGG	AGCGCAAAC	TCCAACACAG	ATCCGATCAA
	79021	TAACGGTTCC	TTTGATGGCG	TCCTTGAGCC	GCCTGGACAA	GGGCGATTTA	CGGGAAAGAA
15	79081	AAACAATTG	TCCGCCAGCA	TCCCACCTT	ACAAGACGTT	CTATTGTTA	CCCCAGCTTC
	79141	GACAGAACCC	CAAAGTCTTA	TGGAATGGTT	CGACATCTGT	TATGCCAAT	TAGTTAGCGG
	79201	GGACACTCCA	GCAGATTCT	GGAAACGGCG	TCCCCTATCA	ATTGTACCGC	GACATTACGC
	79261	AGAATCCCCC	AGTCCGTTGA	TTGTAGTATC	TTACAACGGA	TCCTCTGCCT	GGGGGAGGAGC
	79321	TATTACCGGA	AGTCCAATT	TATATCACTC	TGCACAGGCT	ATTATTGATG	CTGCGTGTAT
20	79381	AAATGCCCGG	GTTGACAATC	CCCAAAGCCT	ACATGTGACA	GCTCGCCAAG	AGCTAGTCGC
	79441	GCGTTTACCG	TTTTTGCTA	ACGTCTAA	TAATCAAACC	CCCTTACCCG	CCTTTAAACCC
	79501	AGGCGCCGAA	ATGTTTTAA	ACCAGGTATT	TAACAAAGCG	TGTGTGACAT	CGCTAACCCCA
	79561	AGGTCTTATA	ACGGAGTTAC	AAACGAACCC	GACTCTACAA	CAACTCATGG	AATATGATAT
	79621	TGCAGATTCT	TCCCAAACGG	TTATTGATGA	AATTGTAGCC	CGCACACCG	ACCTGATTCA
25	79681	GACTATAGTT	TCGGTGTAA	CGGAAATGTC	AATGGATGCG	TTTTATAACA	GCTCCTGAT
	79741	GTATGCGGTT	TTGGCGTATC	TGTCATCTGT	ATATACACGA	CCACAAGGTG	GGGGGTATAT
	79801	ACCCTACCTT	CACGCTCCT	TCCCATGCTG	GTAGGTAAT	CGTTCTATAT	ATTTATTGTA
	79861	CTATTATAAT	TCAGGAGGGG	AAATACTTAA	GCTTCCAAG	GTCCCCGTT	CCGTAGCCTT
	79921	AGAAAAGGTT	GGTATTGGTA	ATTCCACACA	ACTGAGGGGT	AAATTATAC	GCAGCGCGGA
30	79981	TATTGTTGAT	ATTGGAATT	GTTCTAAGTA	TTTACCCGGT	CAATGTTACG	CGTACATTG
	80041	TCTAGGATT	AACCAGCAAT	TACAATCCAT	TTTAGTTTA	CGGGGGGAT	TTGCGGCATG
	80101	TTTTTGTATT	ACCGATACCC	TACAGGCAGC	ACTACCTGCA	TCGTTAATCG	GACCTATTCT
	80161	AGACAGATT	TGCTTCTCTA	TTCCCAACCC	CCATAAAATAA	ATTAGTGTCA	CTATAAAAAC
	80221	ATAAACACCAG	AATCTCTCA	TATGTAATT	TACGTCAATT	CTCCCCTTTC	CACCCCCCTCT
35	80281	TAAAATATAA	AATAACGGG	TGGGTGGCAT	TAAACCCACA	AGTACCCGGG	CGGCAATCCG
	80341	CTAGACTGTT	TTTCTGCTCA	TGGAATTACA	ACGCATATT	CCGCTGTACA	CCGCTACGGG
	80401	TGCAGCGCGC	AAATTAAACCC	CCGAGGCAGT	TCAGAGACTC	TGCGATGCAT	TAACGCTGGA
	80461	TATGGGATTA	TGGAAGTCCA	TCCTGACCGA	TCCCCGGGTG	AAAATAATGC	GATCAACTGC
	80521	TTTTATAACT	TTAAGGATCG	CTCCGTTAT	CCCCCTCAA	ACGGATACTA	CTAATATTG
40	80581	CGTTGTTGTA	GCCACAAATT	ACATCACGCG	CCCACGTCAG	ATGAACCTAC	CTCCGAAGAC
	80641	TTTCATGTA	ATTGTAATT	TTAATTACGA	GGTCTCGTAC	GCAATGACGG	CGACTTTAAG
	80701	AATTTATCCG	GTTGAAAACA	TAGACCATGT	TTTGGAGCA	ACGTTTAAGA	ACCCGATCGC
	80761	GTACCCCCCTT	CCAACATCTA	TTCCGGATCC	TCGAGCAGAT	CCCACCCCCG	CAGATCTTAC
	80821	ACCAACGCCA	AACTTAAGCA	ACTACTTACA	ACCCCGCGG	CTTCCGAAAAA	ATCCATACGC
45	80881	ATGTAAAGTT	ATTCTCCGG	GAGTGTGGTG	GTCAGACGAA	CGAAGGCGTT	TATATGTACT
	80941	GGCTATGGAA	CCTAATTAA	TAGGGCTATG	TCCCGCCGGA	TGGCATGCTC	GGATACTTG
	81001	CTCTGTATTA	AATCGACTCC	TCAGCCATGC	GGACGGATGT	GATGAATGTA	ATCATAGAGT
	81061	TCACGTGGGG	GCACTGTATG	CGTTACCCCA	TGTACAAAT	CATCGGAAAG	GTTGTGTG
	81121	TGCGGCTCCG	TGTATGTGGA	GAAAGGCCGG	TCAGCGGGAA	TTAAAAGTGG	AGGTAGACAT
50	81181	TGGCGCCACG	CAGGTTCTT	TTGTAGATGT	CACCCACCTGC	ATTGAAATTA	CGAGTACTAA
	81241	AAATCCTCGC	ATTACCGCAA	ATCTTGGCGA	CGTTATAGCG	GGAACCAACG	CCAGTGGTCT
	81301	CTCTGTACCA	GTAAATTCTA	CTGGGTGGCA	GCTTATATG	TTTGGAGAAA	CATTAAGCCG
	81361	GGCTATTATT	AACGGCTGTG	GTCTGCTTC	GCGAATTTC	TTCCCCGAGA	CACAAAGATT
	81421	ATCGGGTGAA	CCGGAACCTA	CAACCACCTA	GTATACCTTA	ACTCAACCGC	CGTTGTGGAA
55	81481	AGGTATATGT	CAACATTAC	AGTAATATAT	TAAAGGTTAA	ATTTATAAAA	CACTCACGTT
	81541	TGTGTTGTGA	CTTGACCGGA	ACACCGCTGT	GCTGTAAGAC	CCGTCGGTAA	ATGAAAACGT
	81601	AATAGATTG	CCTTTTACAT	GATCCACGTA	ATTTGCCCA	AACCACTGTT	CCAGGCGAGA
	81661	CTTGATACCC	TCAAACACGG	GTTCCGTTGC	TTTGCATATA	TGAGCCGTAT	AACCCACTTT
	81721	AATTCCCTCTA	AACGTGGCCA	TTACTAAAGC	TATTAATGGT	ACAAGAAACC	ATGTTTCCC

	81781	ATGTCTACGT	GGTACCAAAA	ACACAGTTGA	TTTTGTTTG	AAGTGTCTA	AAACACTGTC
5	81841	AGAAACACTT	GGCGTGTAA	ACACTGTACG	CAGAAAGCAG	TCAACTCTGT	CGGCATGATC
	81901	GCCCAATAGC	ACCGATGAAA	TAAAATGCGT	GGTGTGCATG	AGGATCATT	TTGAAACAG
	81961	TTCCAACGTC	CCCTTATATC	TGCCATAGAT	TGGAACGTCA	ACCTTGCAG	GTTGCCATG
10	82021	ACTTCCACAC	TCTTCAATAC	TCTCAAAAGA	TGTTTCCACA	AGGTACGAAA	ACCGTTGTGT
	82081	AAAGGTAGAC	AACTGACAGA	AACTATCCGA	CAGAGAAAAC	GCGGAAATG	TGTTCATAAAC
	82141	ACCGCTATAC	GCATTTCGAT	GAGGTGCTGC	TTCTTCCGGT	GAATATTCAT	AAAATGTAC
	82201	ACTACTGACA	GCCTTTTTA	ATTCAAGGGCT	TACGTTGCA	TTTACCGAAT	ATGCCATGG
	82261	TTTCAAAACT	ACATTGGGGG	TACAGTTGTA	CCCTGTTGAC	GATAGAAACG	CGCCAAACAT
15	82321	TGCCCGTCGA	GCAGTAGCCG	AGAACAGTGG	AATATATTCA	CAACAGTTGT	GAAGCGTTCC
	82381	AATTCCGGGA	ATAACGGCCT	GATGACGTG	GGTTACATCT	ATAGAAAAT	TCAGAAACGG
	82441	GATTGGGTT	CGTTCATCCC	GAGACCCTTG	CCGCGTGGAA	CACGGGGTAG	GGGACTCCAA
	82501	CGTCCCAAAG	TACGACGCTT	TAGACGTTCA	AAATATCTTA	CAGATTCTTC	
20	82561	ACCAAGCGTA	CGACCAAACA	TTATCAATGA	CATTAAACAT	CAATTACCGG	AATCCGCCTC
	82621	ATCTCTGT	AGCAGTAAA	CAGGAAGCCG	CGTCATCTTA	CGTACTCGTT	ACGTATATAT
	82681	CATAAACATT	TTCAGGGCCG	CATTCAATTCA	CTTTGGTCAT	GTCAGGCCAC	ACTCCAACCT
	82741	ACGCTTCTCA	TAGGCGTAAC	CGTGTAAAC	TAGTTGAGGC	GCATAACCGC	GCGGGGTTAT
	82801	TTAAAGAACG	GACCCTCGAT	CTAATCCGTG	GGGGTGCAG	TGTACAAGAT	CCAGCATTG
	82861	TGTATGCCCT	TACTGCTGCA	AAAGAGGCC	GCGCCGATT	AAATAACCG	CTCCGCTCTG
25	82921	CAGCTCGCAT	AGCTTCAGTT	GAACAGAAGA	TTCGTGATAT	ACAATCCAAG	GTTGAGGAAC
	82981	AAACAAAGTAT	TCAACAGATT	TTAAATACAA	ACAGACGCTA	TATAGCACCC	GATTTTATT
	83041	GCGGTTGGA	TAAAACAGAA	GACGATAATA	CCGATAATAT	AGACAGACTG	GAAGACGCGG
	83101	TAGGACCGAA	CATCGAACAC	GAAAATCATA	CTTGGTTGG	AGAAGACGAC	GAAGCGTTAC
	83161	TTACACAAATG	GATGCTGACG	ACACACCCCC	CAACCTCAA	ATATCTCAA	CTGCAGGACC
30	83221	TTTGCCTTCC	CACCACAA	CCGACGGACA	TGAACCAAAT	GCAACCGCAG	CCGATCAGCA
	83281	AGAACGAGAA	TCCACCAACC	CCACACACGG	ATGTGTAAT	CATCCATGGG	CCAATCCGTC
	83341	AACTGCAACA	TGCATGGAAT	CACCAGAACG	ATCACAACAG	ACAAGCTTAT	TTTTATTAAA
	83401	GCACGGCTTA	ACGAGAGATC	CAATACATCA	ACGCGAAAGG	GTGGACGTTT	TTCCACAATT
	83461	TAACAAACCC	CCATGGGTTT	TTAGAATTTC	CAAATTATCC	CGTTTAATTG	TACCCATCTT
35	83521	CACGCTCAAT	GAACAGTTAT	GTTTTCTAA	ATTACAGATT	CGAGATAGAC	CCAGGTTTGC
	83581	GGGACGGGG	ACGTATGGC	GTGTTCATAT	ATACCCATCG	TCAAAATAG	CTGAAAAAAC
	83641	CATGGACAGT	CGTGTGTTA	ATAGAGAGTT	ATTAACGCG	ATTTTAGCGA	GTGAGGGTTC
	83701	TATACGAGCA	GGGGAAAGGC	TAGGTATTTC	TAGCATAGTT	TGCCTTTAG	GTTTTTCGTT
	83761	ACAAACCAAA	CAGCTACTGT	TTCCGGCATA	CGACATGGAT	ATGGATGAAT	ACATTGTCG
40	83821	CCTGTCCAGA	CGGTTGACAA	TACCTGATCA	CATAGACAGA	AAAATTGCC	ATGTATTTT
	83881	AGATTGGCT	CAAGCGTTGA	CGTTTTAAA	TGAAACGTGC	GGCCTGACCC	ACCTAGATGT
	83941	GAAATGTGGC	AATATTTC	TTAACGTCGA	CAACTTGCC	TCGTTGGAAA	TAACCACAGC
	84001	AGTAATCGGA	GACTATAGCC	TAGTAACATT	AAATACGTAT	TCCCTTTGTA	CTCGAGCGAT
	84061	ATTGAAGTT	GGAAATCCAT	CCCACCCGG	GCACGTACTA	CGCGTACCCC	GGGATGCATC
45	84121	GCAGATGTCA	TTTCGTTTGG	TGTTGAGTC	TGGAACAAAC	CAACCCCTG	AAATCTTGCT
	84181	TGATTATATT	AATGGAACGG	GCCTTACTAA	ATATACTGGA	ACCTGCCCC	AAAGAGTTGG
	84241	ACTTGCAGATT	GATCTTATG	CATTGGGCCA	AGCACTCTTA	GAAGTTATCC	TGCTAGGACG
	84301	TCTTCCCGGA	CAACTGCCA	TTTCAGTACA	TCGGACCCCG	CATTATCACT	ACTACGGTCA
	84361	TAAGTTATCA	CCAGATTGG	CGCTTGATAC	GCTGGCATAT	CGATGTGTC	TGGGCCATA
50	84421	TATACTCCA	TCTGACATCC	CGGGGGACTT	AAATTATAAT	CCCTTATAC	ACGCCGGAGA
	84481	GCTGAACACC	CGTATTTC	GGAAATTCTT	ACGCCGGATA	TTCCAGTGT	ACGCAGTGC
	84541	TTACGGCGTA	ACGCACCAA	AGCTTTTCGA	AGGCATACGC	ATTCCGGCCT	CATTATACCC
	84601	AGCCACTGTT	GTTACATCGT	TGTTGAGTC	CGATAATTCA	GAAATACGCT	CGGATCACCC
	84661	TTTATTATGG	CACGATCGGG	ATTGGATAGG	ATCGACATAA	GCCCCCAGCC	AGCCAAAAAA
55	84721	ATTGCCCGTG	TGGGAGGTCT	ACAGCACCC	TTTGTAAAAA	CGGATATTAA	CACGATTAAC
	84781	GTTGAACACC	ATTTTATAGA	CACGCTACAG	AAGACATCAC	CGAACATGG	CTGTCGCGGG
	84841	ATGACAGCGG	GTATTTTAT	TCGTTTATCC	CACATGTATA	AAATTCTAAC	AACTCTGGAG
	84901	TCTCCAAATG	ATGTAACCTA	CACAACACCC	GGTTCTACCA	ACGCACTGTT	CTTTAAGACG
	84961	TCCACACAGC	CTCAGGAGCC	GGTCCCGGAA	GAGTAGCAT	CCAAATTAAAC	CCAAGACGAC
	85021	ATTAACCGTA	TTCTTAAAC	AATAGAATCG	GAGACTCGT	GTCAGGGCGA	CAATGCCATT
	85081	TGGACACTAC	TCAGACGAAA	TTAATCACC	GCATCAACTC	TTAAATGGAG	TGTATCTGGA
	85141	CCCGTCATT	CACCTCAGTG	GTTTACAC	CATAACACTA	CAGACACATA	CGGTGATGCG
	85201	GGGGCAATGG	CGTTGGAAA	AACCAACGAA	CCGGCGGCAC	GAGCGATAGT	TGAAGCATTG
	85261	TTTATAGATC	CGGCTGATAT	CCGTACTCCT	GATCATTAA	CGCCAGAAC	TACAACTAAG

	85321	TTTTTTAATT	TTGACATGCT	CAATACCAAA	TCTCCAAGTC	TCCTTGTGGG	TACACCAAGA
	85381	ATCGGAACGT	ATGAATGTGG	ACTTTTAATC	GACGTTCGAA	CGGGACTTAT	AGGCGCGTCG
	85441	TTGGACGTTC	TTGTATGTGA	CAGGGACCC	TTAACCTGGCA	CCCTAAATCC	CCACCCCTGCA
5	85501	GAAACCGACA	TTTCATTTT	TGAAATTAAA	TGTGGTGCTA	AATAACCTCTT	TGATCCAGAT
	85561	GACAAAAATA	ACCCGCTCGG	TCGGACGTAC	ACCACGTTAA	TAAATAGACC	TACAATGGCA
	85621	AATCTACGGG	ACTTTTATA	TACTATAAAA	AACCCATGTG	TAAGCTTCTT	TGGACCCCTCA
	85681	GCAAACCCAA	GTACACCGGA	GGCCTTAATA	ACGGATCACG	TTGAATGGAA	ACGTTTAGGA
	85741	TTTAAAGGTG	GGAGGGCCCT	TACAGAACTC	GACGCCCATC	ATTGGGCCT	CAATCGGACA
10	85801	ATCTCATCCC	GAGTGTGGGT	ATTTAATGAT	CCGGACATAC	AAAAGGGGAC	AATTACAACC
	85861	ATTGCATGGG	CCACTGGAGA	TACGGCTCTT	CAAATTCTG	TATTTGCCAA	TCCGCGGCAC
	85921	GCTAACTTTA	AACAAATTGC	CGTACAAACC	TATGTATTAT	CCGGTTACTT	TCCAGCGCTA
	85981	AAACTACGGC	CCTTCCTTGT	CACCTTTATA	GGACGTGTGC	GCCGACCACA	CGAGGTGGGA
	86041	GTCCCATTTGC	GCGTCGATAC	ACAAGCGGCT	GCCATTACG	AATATAACTG	GCCGACTATC
15	86101	CCACCCCCACT	GTGCGGGTCC	GGTTATAGCC	GTTCTAACGC	CTATCGAAGT	TGATGTGCCT
	86161	AGAGTGACAC	AAATACTTAA	AGACACAGGA	AACAACGCGA	TTACATCAGC	ATTGCGGTCA
	86221	TTGCGATGGG	ACAATCTTCA	TCCAGCGGT	GAGGAGGAAT	CTGTCGATTG	TGCAAACGGT
	86281	ACAACGAGCT	TGTTACGTGC	AACGGAGAAA	CCGTTGCTTT	GAACTCAGAG	TTCTTTGAAG
	86341	ACTTTGACTT	TGATGAGAAT	GTAACAGAGG	ACGCCGATAA	ATCCACACAA	CGCCGCCAAC
	86401	GAGTGATCGA	TGTAACACCA	AAACGAAAAC	CTTGGGAAA	GAGCTCCCAT	TCCAAATGCG
20	86461	CAAAATGTTA	AACCTGATA	AACCCGTATA	AACGTTCTAA	AAAAAACATC	AAATCATGGT
	86521	TGGTTACTGT	GAATGTTTGT	TTTATTGCTT	GGGGGTTTAC	AAGTACAACC	CACGCTACTC
	86581	CCACCCACTG	TTTGATCGCT	CGTATAACAG	CTCATCCTCG	CGGTCCGTTT	CATATGTTGA
	86641	GTCATTTCA	TAGACGTAGC	CGTAGCCTTG	TGATGGGTAA	TTTGTGCGGC	GAGAATTCT
	86701	ATGTGCAGGT	TTTACTTTTC	GTATGTATCC	CCGTACCCGC	TCGGGTACTC	TTCTTACGGC
25	86761	ACCGTAGAAC	CGACTCGTT	TCTGTCGATG	ATACACATAT	GCACGCATCA	ATCTGAGAAG
	86821	CAACATGACA	ACGGAAAACA	CGGCCAGGCA	AGCCAAGGTT	CCCCGAGTTG	TGGAATTAA
	86881	CCGTGGAGAT	TGAACCGATA	TAGGGTCATA	TAATCGGTCC	ATATACGAGT	GCGCGGCGGT
	86941	TCCCAACGTA	GCACAGGCCA	CGAGCGTTCC	CAGGACGGT	CCTATTAAACA	CGTGTATATA
	87001	ATGCGCCAAA	ATTAATTCTG	ATACTATAAG	ATATACAACT	GACAATGTAC	TAAATGTTAGA
30	87061	CATGGCCACG	GACACCGATG	ACCAACAGTC	CGTATGTAGA	TGATTCGCCA	CCACAAGTTC
	87121	CAGCATTAAAT	GATACAAATA	GGATACATAT	CGCCATCAAC	GCAGCCATCA	AATTCACGAA
	87181	CACTGCGCGC	GTAGGCCCG	CAAGGCAGATA	AAAAAGACG	CTCTGCTGTC	GTAATTGTC
	87241	GACCGCTTT	ATGTTCGTT	CGTCCAATT	TCCGCGTCCA	AAAAATACG	TTGTAATAT
	87301	TACACTTGTG	GCAAAATGTC	CAAGATATAA	TGTAGCAGCC	ACGCCGATTT	GCTTGTAAAGC
35	87361	TAATAATAAC	ACAACGGCGT	TTAATAACCA	CAATGACAAA	AGACCCAAA	AAAGTGTGTT
	87421	GGGATCTACA	ACTAACCATG	CAACACCGGA	GCTTGGCCGG	ACACGTTGAT	TTTCGTTTC
	87481	TCGGGTGTATA	ATCGCGGCCG	TGATCAGTGT	ATATACGCC	ATGGCCATTG	CCGTTAAAGC
	87541	CGTGTAGTAA	GTAAATGCCA	CAACGCTATG	TGGTCCAAA	AACAAAACCG	GGGCAGCTGTA
	87601	TCCACCTCTA	TTTCCGGACC	ATACCCCCCCC	ATCTAGGGTG	GCGTTAAATA	ACTCATAATC
40	87661	AACTACGGCA	GCATAAAAAC	AAAGGATCCC	GGTATATTCA	GAAGAGGCCG	CAATTAAACGT
	87721	AGCCAGGAGC	ATTACCGCAC	CCAAAGTGA	CATCATCACC	TGAATTATCC	AAATTCGCCA
	87781	ATTAAGCGTA	TCCATTGAT	GATCTAACGC	TTCCACCTCG	GGTGTGCGTGG	TGTGTCACGG
	87841	CGAGACTTTT	TCAGAACGCG	GCCCCTTCTT	TTGAGTTCCC	ATGTCTCCA	ACACCGGGGA
	87901	GAGCAACGCC	GGCGCTATG	CGTCCAGTAC	ACAGCTCGCG	CGGGCGTTAT	ATGGAGGGGA
45	87961	TCTGGTTTCG	TGGATTAAC	ACACCCACCC	GGGAATTAGC	CTGGAACCTGC	AATTGGATGT
	88021	TCCAGTAAAA	CTAATAAAAC	CTGGTATGTC	ACAAACTCGC	CGGGTAACCG	TCGTACGTG
	88081	CCCTATGGGC	TCTGGTAAAA	CAACAGCCTT	GCTTGAGTGG	CTTCAACACG	CGTTAAAGGC
	88141	AGATATTAGC	GTACTGGTT	TCTCATGTG	CCGTAGCTTT	ACCCAGACGT	TGATTCAACG
	88201	GTAAACGAT	GCAGGCCTC	CCGGATTCGT	AACATATTG	ACATCCGAGA	CATATATTAT
50	88261	GGGTTTAA	CGTTTGATTG	TGCAACTTGA	AAGCTACAC	CGCGTATCCA	GCGAAGCTAT
	88321	CGACAGCTAC	GACGTATTA	TACTGGATGA	GGTAATGTCA	GTGATTGGAC	AATTATACTC
	88381	CCCCACAATG	AGACGTCTT	CCCGCGGTTGA	TAGCTATT	TATCGTCTT	TAAATCGCTG
	88441	TTCTCAAATT	ATCGCGATGG	ATGCTACAGT	AAACTCGCAG	TTTATTGATT	TAATCTCCGG
	88501	ATTGCGTGG	GATGAAAACA	TACACACAAT	TGTGTGTACA	TACGCGGGAG	TTGGGTTCTC
55	88561	CGGAAGAACT	TGCACGATCC	TGCGTGTAT	GGGCATCGAC	ACGTTGTGC	GAGTCATTAA
	88621	ACGATCTCCT	GAACACGAGG	ATGTACGTAC	CATACACCAA	CTACGTGGAA	CATTTTTGA
	88681	CGAACTAGCA	CTACGATTAC	AATGTGGGCA	TAACATCTGT	ATATTTTCAT	CAACTTTATC
	88741	GTTCGCGAG	CTAGTTGCTC	AGTTTGTGC	AATATTAC	GACTCTATT	TTATTTAAA
	88801	CTCAACTCGG	CCCCTATGTA	ATGTAAACGA	ATGGAAACAT	TTTCGCGTGT	TGGTGTACAC

	88861	TACCGTCGTG	ACCGTTGGAT	TGAGTTTGA	CATGGCTCAT	TTTCATAGCA	TGTTTGCTTA
	88921	CATAAAAGCCA	ATGTCATATG	GGCCGGATAT	GGTATCGGTC	TACCAGTCAT	TAGGGCGTGT
	88981	ACGTTTATTG	CTACTTAATG	AAGTTTTGAT	GTACGTCGAT	GGCTCAAGGA	CCAGATGCGG
	89041	ACCCCTGTTC	TCGCCAATGT	TACTAAACTT	TACCATCGCA	AATAAAATTTC	AATGGTTTCC
5	89101	TACACACACC	CAAATAACTA	ACAAAATGTTG	CTGTGCATTT	AGGCAACGAT	GTGCAAATGC
	89161	ATTTACACGC	TCGAACACCC	ATCTCTTCTC	AAGATTTAAA	TACAAACACCC	TTTTCGAGAG
	89221	ATGCTCTCTT	TGGAGTTTAG	CCGATAGCAT	TAATATCTTA	CAAACCTTTT	TGGCCTCTAA
	89281	CCAAATTTTG	GTTGTATTGG	ATGGCATGGG	TCCAATAACG	GACGTTTCCC	CAGTTCAATT
	89341	TTGTGCATTT	ATACACGATC	TCAGACATAG	CGCTAACGCC	GTAGCTTCT	GTATGCGTTC
10	89401	TCTTAGACAG	GACAATGACA	GCTGCTTGAC	CGATTGGC	CCTTCCGGAT	TTATGGCCGA
	89461	TAACATTACC	GCGTTATGG	AAAAGTATCT	TATGGAGTCA	ATTAATACCG	AAGAACAAAT
	89521	TAAAGTATTT	AAAGCCCTTG	CATGTCCAAT	AGAACAGCCT	AGACTAGTCA	ATACGGCAAT
	89581	ATTGGGGGCG	TGTATACGAA	TACCTGAAGC	GTTGGAAGCA	TTTGACGTAT	TTCAAAAAAT
	89641	ATACACGCAC	TACGCTCCG	GTTGGTTTCC	CGTCCTGGAC	AAAACCGGGG	AATTAGCAT
15	89701	CGCGACTATA	ACTACGGCCC	CAAATTTAAC	CACACATTGG	GAGCTGTTTC	GCCGTTGTGC
	89761	CTATATTGCA	AAAACACTCA	AGTGGAAATCC	GTCCACCGAA	GGCTGTTGAA	CACAAGTTT
	89821	GGATACGGAC	ATTAATACAC	TTTCAATCA	ACACGGGGAT	TCGCTGGCTC	AACTAATATT
	89881	TGAGGTTATG	CGCTGTAAACG	TTACTGACGC	TAAGATTATA	TTAAACCGCC	CGGTTGGCG
	89941	AAACACCGGA	TTCTTAGATG	GATGCCATAA	TCATGCTTC	CGTCCAATCC	CTACAAAACA
20	90001	CGAATATAAC	ATTGCTCTAT	TTCGTTTAAAT	TTGGGAACAA	TTATTTGGCG	CCCGCGTAAC
	90061	TAAAAGTACC	CAGACCTTC	CGGGAAAGTAC	TCGTGTGAA	AACTAAAAAA	AAAAGATCT
	90121	AGAAACTTTA	CTTGATTCAA	TTAACGTGGA	TCGTTCTGCA	TGTCGTACCT	ACGCCAGTT
	90181	GTATAACCTG	CTTATGAGCC	AGCGCCATT	GTTCTCTAA	CAGCGTTACA	AAATTACTGC
	90241	CCCCGCTTGG	GCACGCACG	TGTATTTCA	AGCACATCAA	ATGCACTTGG	CCCCGATGC
25	90301	CGAAGCCATG	CTACAATTAG	CGCTATCGGA	ACTGTCCCCG	GGATCGTGGC	CGGGATAAA
	90361	CGGGCGGTA	AATTTGAAA	GTGTTATAACC	CGTTAATACC	ATATATGGAC	ATCCATAGGG
	90421	GGGGTTACAT	AAATACTAAG	CCTCTGTACA	ACACAAAGGG	CCTCTAACAA	TGCACTGAAC
	90481	CACAACCAAG	CTATGGACGC	AACGCAGATT	ACCTTGGTTA	GAGAAAGCGG	ACACATTTGT
	90541	GCCGCAAGCA	TATACACATC	CTGGACACAG	TCCGGACAAT	TAACACAGAA	CGGTCTTCC
30	90601	GTGTTATACT	ACTTATTATG	CAAAAACCTCA	TGTGGGAAAT	ACGTCCCTAA	GTTTGCCGAA
	90661	ATTACCGTAC	AAACAAGAGGA	TTTATGTCGC	TACTCCAGGC	ATGGGGGGAG	TGTTTCTGCG
	90721	GCAACGTTTG	CGTCTATCTG	CAGGGCGGCG	TCCTCGGCTG	CGTTAGACGC	CTGGCCCCTT
	90781	GAACCACTGG	GTAACGCAGA	CACCTGGCGT	TGTCTCCATG	GCACTGCCT	GGCCACTTTA
	90841	CGGGCGGTAT	TAGGGTTAA	ATCGTTTTAT	TCGCCAGTAA	CATTGAGAC	TGATACGAAT
35	90901	ACAGGTCTTC	TGTTAAAAAC	AATCCCCGAT	GAACACGCGT	TGAATAATGA	CAACACGCCA
	90961	TCTACCGGAG	TATTGAGGGC	TAATTTTCCC	GTGGCCATTG	ATGTTTCAGC	AGTCAGCGCA
	91021	TGTAACGCC	ACACGCAAGG	TACGTCGCTA	GCCTACGCC	GCCTGACCGC	ACTTAAATCT
	91081	AACGGTGACA	CCCAGCAACA	AACACCTTTA	GACGTGGAGG	TAATTACACC	AAAGGCCTAC
	91141	ATACGTCGGA	AATATAAGTC	TACGTTTTCC	CCCCCTATAG	AGCGGGAAAGG	CCAAACCTCC
40	91201	GATTGTTTA	ACCTTGAGA	ACGCCGCTTG	GTTCTTAGTG	GCAATCGCG	AATTGTTGTA
	91261	AGGGTACTCT	TACCGTGT	TTTGACTGT	TTAACAAACGG	ATTCCACCGT	TACATCTTCC
	91321	CTTTCAATAT	TAGCAACATA	TAGACTGTGG	TACGCGCGG	CGTTTGGAAA	ACCCGGGGTT
	91381	GTCCGTCCAA	TCTTTCGCTA	TTAGGCCCG	GAACCTCAATC	CGAAGGGTGA	AGACAGAGAC
	91441	TACTTTGTA	CTGTCGGATT	TCCCGGATGG	ACCACTCTTC	GGACACAAAC	TCCAGCCGTC
45	91501	GAATCTATTG	GCACGGGTAC	GGAGATGTAC	ATGGGAAACGG	ATGGGGTTGTG	GCCAGTAACC
	91561	GGTATTTCAGG	CCTTCATTA	TCTAGCCCCC	TGGGGACAGC	ATCCCCCTT	ACCTCCGCGG
	91621	GTGCAGGATC	TTATTGGGCA	AATCCCTCAA	GATACTGGAC	ATGCAGATGC	AACTGTCAAT
	91681	TGGGACGCGG	GCCGGATATC	TACCGCTTTC	AAACAGCCTG	TACAACATAC	AGATCGTTGG
	91741	ATGGCAAAGT	TTGATTTCAG	CGCCTTTTT	CCCACGATAT	ACTGCGCTAT	GTTCCCCATG
50	91801	CATTTTAGAT	TAGGCAAAAT	CGTCCTGGCT	AGAATCGTC	GAGGAATGGG	GTGCTAAAAA
	91861	CCCGCGTTGG	TGTCTTTTT	TGGGGGGTTA	CGGCACATAC	TCCCGAGTAT	ATACAAAGCT
	91921	ATTATTTTTA	TAGCCAATGA	AATTAGCCTT	TGCGTCGAAC	AAACGGCCTT	GGAACAGGGC
	91981	TTTGCTATAT	GTACTTATAT	AAAAGATGGA	TTTTGGGGAA	TCTTCACCGA	TTTACATACG
	92041	CGCAATGTAT	GTTCAGATCA	GGCACGTTGT	TCGGCCTTAA	ATTTAGCGGC	CACCTGCGAA
55	92101	AGAGCAGTCA	CGGGCTTATT	ACGAATTCAA	CTAGGGCTTA	ACTTTACACC	CGCCATGGAA
	92161	CCGGTACTCC	GGGTGAGGG	TGTGTACACT	CACGCATTAA	CCTGGGTGAC	CACGGGAAGC
	92221	TGGCTGTGGA	ATTTACAAAC	AAACACGCCT	CCGGATTAG	TTGGCGTGC	ATGGCGAAGT
	92281	CAGGGCGCGC	GAGATTAAA	GGAGCGTCTT	TCAGGACTCC	TATGTACCGC	AACAAAATT
	92341	CGAGAACCGGA	TACAGGAAA	TTGCATATGG	GACCATGTCC	TATACGACAT	ATGGGCCGGA

	92401	CAAGTTGTGG	AGGCTGCCAG	AAAAACATAC	GTCGATTTT	TTGAACATGT	TTTGATCGC
	92461	CGTTATACTC	CGGTATACTG	GAGTCTTCAG	GAGCAAAATT	CGGAAACAAA	AGCAATACCG
	92521	GCATCTTATC	TGACATACGG	ACACATGCAA	GATAAGGATT	ATAAACCAAG	ACAGATAATT
	92581	ATGGTTCGTA	ATCCCAACCC	ACATGGACCT	CCTACTGTTG	TTTACTGGGA	ATTGCTACCA
5	92641	TCGTGTGCCT	GTATTCCCCC	CATAGACTGC	GCTGCTCATC	TCAAGCCCC	TATACACACCG
	92701	TTTGTCACTA	TTATTAACCA	TCTTCTAGAT	GCTCATAATG	ATTTTCAAG	TCCATCATTG
	92761	AAATTTACTG	ACGATCCCCT	TGCTTCATAT	AACTTCTTGT	TTTTATGACA	AAAAAACACCG
	92821	CCGCAACAAAC	CCATCCTTAA	AATAAAAGGT	TTATTTACTT	TACAACCCTG	GGTGAATT
	92881	TATACGTTTC	AAATAACTGA	ACATTTTTCG	GTGTTACCAT	GGTGCATTT	AACCACCAA
10	92941	AATATACGCT	CTTCTGATAT	TCCGAATCTC	GTAAAGGTCC	ATTTAACAA	CCGGGGGGTA
	93001	CTTGCACCAC	ACCATCTGGA	CAGGGGGGGG	TTCCGGGGGG	CAGGTAAAAA	CGCTGACCCA
	93061	CCCCCACATGA	ATATATAGCC	TTTATAATAT	TGGGGGCCGT	TCCAGGCTGA	GGGTTCACTA
	93121	ACTTAACAAA	CATATAATGC	GGCAATACGC	GGGTTTTGT	AAAGGGGTTG	TTATCAACGA
15	93181	CATACATTAG	AGTGTGAAAC	AACCATAAAA	CTCCCTCAT	AAAAAACCGA	CGCATT
	93241	CCAAAGGTCC	TATTTGACAC	TCAACGCGTC	TAAGATATAC	AGACAATTGT	ACAAACAGCG
	93301	ATGGAGATGC	CCCGGAGGGC	CCAATGCCTT	CCAGATAACAT	AAAATAACA	CATAAGGTAA
	93361	AATCTAGGAC	ATTATCCGGG	CGGAATAGAG	TCATCCGATA	GATTAACAGG	CGGGGAGGCA
	93421	CCCCCACCGT	ATACACCTA	TCTTCAACCG	CAGTTAATAC	GGAAAAAATA	AATCCGCGGA
	93481	ACGCTGGTTG	AGTAACACAC	TCCATGTAGT	AACGATCACA	GGACACCTCA	CTTGAATCAC
20	93541	CATTCAACAC	TACTAAAACG	GTCTCTTGGT	GTTCCGGTT	TACGCGCAGT	GATACAACAG
	93601	AGTTTGCCTA	AAAGCGTGGC	TTCAAACCGG	TTACCTCCCG	CGCCTCGCAT	ACGAATCTTG
	93661	GTATTGCTTG	TATTCTAAGA	TCTTCGATCA	CGTCGCTCAC	ATCCAACCC	TCTCGGCTC
	93721	GTGTTAGTAA	GTTGTCGATC	GTTACGCTGC	AACCTAAAAT	GCTGGGTATA	TTTATTCCGG
	93781	ACATCCCATC	GGCCATCCCC	GGCCCTCCGG	TTTGTCTGAA	TTTATTCAG	TAAGGTGAA
25	93841	TCCGCTGCAT	TTACCTTGTG	TACCCGTAAC	CTCTCAGGGG	GGTGTCTTT	CATAAAATGG
	93901	GATAGGTTTT	TATATCCAAC	ATGCATGTAT	TGGTTATTAA	TTTATTGGG	TTCCGGGATT
	93961	CTTCGTCAT	CTTCTGTAGG	GTCAGGCAA	CCCCAGGAAG	GACTGGTGT	TCTCCGTGGG
	94021	CCCCGTTTTA	TTACCTCTGC	GGGAACCTGC	ATTTCATATA	ATATTGGAAT	TTGGGATAAA
	94081	TAGGACTCTG	TTCTCGCTT	TTTAAAATA	GCCTGGCATA	ACTCTTCCTC	TGACCTATGT
30	94141	ACCTCGCTT	GAGTTACCAA	GAATCCTAA	CGGGTGGCCC	GTAATATGAA	TGAAAATAC
	94201	GGCGCAACTA	GTAATGAGAT	TGACGCATT	GAATATGATA	CAGAAATTTC	CTGGCCTTGA
	94261	TTATTGTTTA	CCCGGTTGAAG	CTTAAAACAG	CGAACAAAGTT	CCTGTTCCA	TAGCTCAGAC
	94321	AAACGTTTA	TATCATCTCC	ATAAGGGGGG	ATATAACGAG	ATTGAAAATC	ATTGGCAATA
	94381	TATGCATCAT	CCCCTATTAT	GCCGGTAAGA	TCTATAACCT	CGTGATTAA	ATCGGAATA
35	94441	CGTGTTCCTT	CTGCCATTGT	AATATGTGAC	CCTTAGATG	GCTTTATTT	TACCCCTCTCT
	94501	TCCCCGTAACC	GTTCAGCTC	TCCTTCTTGT	AACTGGAGCC	TTTCGGTCAG	ATCGCTGTT
	94561	ACATCCTTGA	GACCTCTAAT	GGTTTTGAAT	AAATTATTCA	CATAACCTC	GAGCATGCCG
	94621	TTGATACTGT	TAACCACCGA	AGTTTTAAC	GCACCTTGAA	CGTTTGTGT	TCCGGACATT
	94681	GCCCCCCCCG	TAAAGGATTG	GTGGCCTTG	CCAAACCCCG	GTTGTGATGT	GTCCACCGAT
40	94741	CCACTTCCTT	CCAGAAATGTG	ATTGCCCGTT	TCTCTAGAT	AGGAACGTAC	GGTTTCGGTA
	94801	ATATCTCAA	CATGTCTCAT	GTTTTTTAAG	TTAACATATT	GCTTTACAAG	TCTAGACGCG
	94861	GCCGATCCAG	CCCGTGTGT	ATCGTTCTCG	CCCATTATAC	GATCAACCGC	ACGTGTGCTG
	94921	TGAGATCTAT	CATCTTCATT	CCGGCGACCT	ATTAACACGC	GCAAAGGGGC	TGTATTAAA
	94981	ACTTGGCAGA	CGCGAGCATG	TTCACGTAAT	GCATAACAGG	CCAACACCTC	CCAGAAAGC
45	95041	CGCTGTAAAGG	GTGAGTCAAA	TACTACACCC	TCCCCACATA	CAACGGCGG	CCACACGACC
	95101	AAACACTCTC	CCTTCATGCC	CGTTACATCA	TCCTTGCCTA	TAATTAACT	TCGGTTATAA
	95161	TTATAATAAA	GACGCGCCT	ATCATAATCC	ATAATAGCAA	CATTTGCA	ACACTCAACT
	95221	AGGCTTGTGA	CAACCGCCGC	TCCTCTGGCC	AACGTTGCAT	CGGCAACTT	TAACATCTGG
	95281	GACAGTTCTG	CCGCTTGACC	CATATACGTA	TTTAATGGT	CAGGGGTTCC	ATTCTGTTCT
50	95341	GATCGTACCT	TTCTTACAAC	GGGCACAATA	CCTACACAGG	CTATCCAGTC	CACGTATTG
	95401	GCAAAACCGA	CCCTTCATT	TAAACCACTG	GTATAGAGAC	AACCGGTTAT	TCCACGCAGA
	95461	AACTCAAGTA	ACGATGACTG	TAATGTTGA	CGCCAGGTT	AAAAAACCTG	ATGTCAAGC
	95521	CGTACGGCTT	CTGATTCTCC	ACATAGCCCA	TAACGTTCCG	CTAGAGCCCC	GGCATGCAGG
	95581	TTACATTGTT	GGATGTGGTG	TTCCCAATCT	GCTGCTAGGT	CCTCATACCG	AGTTGCATCC
55	95641	AACCGCTTCA	TCAAAACGGT	TGCCCTGAACT	TGGCGAATT	CAGTTCCGT	AGACCGTACA
	95701	GCGCTATATA	TGCCCTTGTC	ATCGGTATAT	CCAAAGTCAC	CGGCTAGGAT	TTTCGAAAC
	95761	AACATACTT	GC GTGGTTGG	GTGTATTAAC	ATCCAGCCAT	CTTCCTCCGG	AAATGTACAA
	95821	AACCCTATAT	CCGGGGCGTA	CTCATTCCAG	TATATATCGA	ACATGTTCT	GTATTGGTCA
	95881	TTTGGGTTAC	TTCCATTCAA	GCCCTGGTCA	ATAGAAACAG	AACTTGCTAT	CCTTTTTCT

	95941	TCACTACCGG	AACTGTTATT	AAAAAGAGAC	GTTATTCGG	CCATTGAAAA	CCACGATGAA
	96001	AAGATCAATT	TCTGTAGACA	GTTCTTCACC	CAAAAACGTT	TTTAATCCAG	AGACGCCAA
	96061	TGGATTGAT	GACAGTGTAT	ATTAAACTT	CACCTCTATG	CATAGCATT	AACCTATCCT
5	96121	CTCACGGATT	CGAGAACCTG	CCGCAATTAC	GATTCCAAAA	GAACGTGTC	CGCGGTTGTG
	96181	TTGGTTTAAA	CAGTTACTCG	AACTGCAAGC	GCCTCTGAA	ATGCAGAGGA	ATGAGCTCCC
	96241	CTTCTCCGTT	TATTTAATT	GCGGAAATGC	CGGCTCCGGA	AAAAGCACGT	GTATCCAAAC
	96301	GCTTAACGAA	GCTATCGATT	GCATTATTAC	CGGATCCACC	AGGGTTGCTG	CCCAAAATGT
	96361	TCATGCTAAG	TTATCAACGG	CTTATGCGAG	TCGTCCGATA	AACACAATCT	TTCATGAATT
10	96421	TGGTTTCGC	GGAAATCACA	TTCAGGCTCA	GCTGGGCCGT	TACGCATATA	ACTGGACTAC
	96481	GACCCCCCCT	TCTATTGAGG	ACCTGCAAAA	AAGAGATATT	GTATACTACT	GGGAAGTTTT
	96541	AATTGATATA	ACAAAACGAG	TGTTTCAAAT	GGGGGACGAC	GGTCGCGGAG	GAACATCGAC
	96601	ATTTAAAACC	CTGTGGGCAA	TTGAACGTTT	GCTTAATAAA	CCTACAGGCT	CAATGTCCGG
	96661	AACCGCGTTT	ATCGCATGCG	GTTCCTTCC	GGCTTTTACC	CGGAGCAACG	TTATTGTTAT
15	96721	TGATGAAGCA	GGATTGCTAG	GGCGTCATAT	TCTCACGGCC	GTGTTTACT	GTGGTGGCT
	96781	TTTGAATGCT	ATATATCAA	GCCCTCAGTA	CATAAACGGT	CGAAAACCGG	TCATAGTATG
	96841	CGTCGGTTCG	CCCACCCAAA	CTGACTCGTT	AGAATCTCAT	TTTCAACATG	ACATGCAGCG
	96901	TTCACACGTA	ACTCCTAGTG	AAAATATACT	CACGTATATA	ATCTGCAATC	AAACTCTGCG
	96961	TCAATATACT	AACATCTCAC	ATAACTGGGC	AATCTTATT	AATAACAAAC	GATGTCAAGA
20	97021	GGACGATTTT	GGAAATCTTT	AAAAACGCT	TGAGTACGGG	CTACCTATTA	CCGAAGCACA
	97081	TGCGCGTCTG	GTCGATACAT	TTGTTGTACC	TGCATCCTAT	ATTAACAATC	CTGCTAATCT
	97141	TCCCGGATGG	ACCGGCTCTGT	ATTCGTCGCA	TAAGGAGGTG	AGCGCGTATA	TGAGTAAGTT
	97201	ACACCGCGCAT	TTAAAACATAT	CGAAAAAATGA	CCATTTCCT	GTGTTTGCT	TACCGACTTA
	97261	TACATTCTATC	CGGCTAACGG	CATTTGATGA	ATACCGAAA	TTAACGGAC	AACCCGGACT
	97321	TTCTGTTGAA	CATTGGATAC	GGGCAAACCTC	CGGTCTTTG	CACAATTATT	CCCAAAGCCG
25	97381	AGATCATGAC	ATGGGAACAG	TTAAATACGA	AACACATTCA	AATCGCGACT	TAATTGTAGC
	97441	CCGTACAGAC	ATCACTTACG	TGCTAAATAG	TCTCGTAGTT	GTAACCACAA	GACTACGTAA
	97501	GTTAGTTATT	GGATTCACTG	GTACATTTCA	ATCGTTGCA	AAGGTTTAC	GTGACGACTC
	97561	CTTTGTGAAG	GCTCGAGGAG	AGACATCCAT	CGAATATGCT	TACCGGTTTC	TGTCAAACCT
	97621	AATCTTGGA	GGCTTGATTA	ACTTTACAA	TTTTTGT	AATAAAAACC	TACATCCGA
30	97681	TAAGGTATCG	TTAGCATACA	AACGGTTAGC	TGCCTTAACC	CTGGAGTTAT	TGTCTGGAAC
	97741	AAACAAAGCC	CCCTTACACG	AAGCAGCGGT	TAATGGGGCG	GGTGCCGGGA	TTGACTGTGA
	97801	TGGTGCAGCT	ACTTCTGCCG	ATAAAGCCTT	CTGCTTTACC	AAAGCCCCG	AGTCCAAAGT
	97861	AACGCCCTCC	ATACCCGAAG	ACCCGGATGA	TGTAATTTT	ACGGCACTTA	ACGACGAGGT
	97921	TATTGACTTG	GTATACTGCC	AGTACGAATT	TTCCCTATCCC	AAATCATCCA	ATGAGGTCCA
35	97981	TGCTCAGTTT	CTGTTAATGA	AAGCTATT	CGATGGTCGA	TATGCCATAT	TAGCAGAGCT
	98041	TTTCGAAAGC	AGCTTACAA	CCGCCCCCTT	TAGCGCGTAT	GTCGATAATG	TTAATTCAA
	98101	CGGAAGCGAG	CTTTTGATCG	GCAATGTGCG	GGGGGGCTG	TTATCTTGG	CATTACAAAC
	98161	AGATACGTAT	ACCCCTTGG	GGTATACTTT	TGCACCCGTG	CCAGTCTTG	TAGAGGAACT
	98221	GACCCGAAAAA	AAGCTGTACC	GGAAAACCTAC	CGAAATGTTA	TATGCTCTAC	ACGTACCTCT
40	98281	TATGGTCTTA	CAGGATCAAC	ATGGGTTTGT	GTCCATCGTA	AACGCTAACG	TATGTGAATT
	98341	TACCGAGTCT	ATAGAGGATG	CAGAATTGGC	AATGCCACC	ACGGTGGACT	ATGGCCTTAG
	98401	TTCTAAACTA	GCCATGACAA	TTGCACGCTC	ACAGGGTCTG	AGTTTAGAGA	AGGTAGCTAT
	98461	CTGTTTACG	GCGGATAAAC	TGCGCCTAAA	TAGTGTGTAT	GTTGCCATGT	CGCGTACGGT
	98521	CTCCTCTAGG	TTCTTAAAAA	TGAATCTAA	CCCTCTACGG	GAACGATATG	AAAAATCCGC
45	98581	AGAAATTAGC	GATCACATT	TTGCCGCTCT	ACGTGATCCC	AACGTACACG	TTGTGTATT
	98641	AAGCATTGTA	AAAAAACACG	CATGCGGGCT	TGCTGTTCTC	ATTTCAGGT	TTTGTCTTAA
	98701	ATACACCCGC	CATGAGCATC	TCTGGACCCC	CAACGACGTT	TATTTTATAT	AGGTTACATG
	98761	GGGTTAGGCG	GGTTCTCAC	TGGACTTTAC	CGGATCATGA	ACAAACACTC	TACGCATTTA
	98821	CGGGTGGGTC	AAGATCAATG	GGGGTGAAGA	CGGACGCTCG	ATGTGATACA	ATGAGCGGTG
50	98881	GTATGATCGT	CCTTCACAC	ACCCATACAG	TGACCCCTGCT	AACCATAGAC	TGTTCTACTG
	98941	ACTTTTCATC	ATACGCATT	ACGCACCGGG	ATTTCACCT	ACAGGACAAA	CCCCACGCAA
	99001	CATTGCGAT	GCCGTTATG	TCTGGGTGCG	GTTCTGACCC	AAACATCTCAG	CTGTACAGTA
	99061	ATGTGGGGGG	GGTACTATCC	GTAATAACGG	AAGATGACCT	ATCCATGTGT	ATCTCAATTG
	99121	TTATATACGG	TTTACGGGT	AACAGACCTG	ACGATCAGAC	CACACCAACA	CCAACCCCGC
55	99181	ACCACTAC	ATCGCAAAGG	CGGCAGCCTG	AAACCAACTG	TCCTCTTC	CCACAACCGG
	99241	CCTTTTCAC	ATCAGACGAC	GACGTTCTT	CGTTAATATT	ACGGGACGCC	GCAACACGCGT
	99301	AAAGACAGAT	TCAAGACTAA	CATTTATCCC	AACTGATTAC	ATTCATACG	CGAATAAACG
	99361	ACACAAAAAA	TTTATATTTA	ACGGCTTTTA	ATTGAAGAC	ACCTATCCTC	TTAACGTTGA
	99421	TGAGCCTTGC	AGGTTGGGTG	CCGCCTTCA	CCGGTATTAT	ACATAACCGA	TTTACCGTGT

	99481	TTACGGCAGT	CTGACCATT	ACCAGTGAT	GTCTGTAATA	CGACGTTGTT	GTGTCCCGAC
	99541	AAAATTAACT	CGCGTACAAA	TTTCTGATGT	TCCCCCGCG	TGGCAACGCT	GGCATTTCCA
5	99601	AACACATTAC	GTTCTCGTAC	GTCCATGACC	GCTATTTC	GTATTAAATTG	GTGGTCGGT
	99661	CAAAGTATT	TCCTTATGTA	AAAGGACACG	ATCTAAAGCC	GTAAACTCAT	ACACAAACAC
	99721	TGGTACCAAC	GGACGCGATT	TTCCGTCCGT	TGAGCGGGT	TAATATCGC	GAGGTCTTCT
	99781	TGCACGAATA	CTCTCGTACA	GTAGGTTTCT	GACACGGGGT	GCATGGGTT	TTTGACACAA
	99841	CACAAACATT	TGCAGGCTCT	TATGACTGGA	TGGATTGAAT	TTATTTTAG	ATAGGGTCAC
10	99901	GTGTTTTGT	CGTGACACGC	CTCGACCAGA	AAAGGCTGCG	GTTCGTCGAC	ACCGGACCGT
	99961	TATTCACAG	GCGTTCATAA	CCAAGCTGCC	GCGGATGGT	TCGGTTAATT	GTCTCCGCC
	100021	AAGTCGTCA	ATAGATGATA	CCATGAACAA	CGTATCAAAT	GGTACATAGT	CGTCTTGGT
	100081	TTTCTCAATA	CAGCCC CGGT	GCCCAATCGG	AAATTTC	TTTGCATCAA	CGCTATTTTC
	100141	TGTAAAATCG	TTCTGAACAC	TGTGTTGGCT	GGCTACCTGT	TTAAAATTG	GGATCGAAC
15	100201	CGGTCCACGA	TGCAATCCCC	AACCCCATG	AAGCAATGCC	GTCGGTACGG	AAGGAGGCAA
	100261	CTCCGAAAAC	ATTATGGTAC	GCAAGAGGGT	CGATTGGAGT	TTTATATAAC	ACTCCAATCG
	100321	ATCTCGGGTT	CGCCTTACG	CGTAAAATAC	TCATTGGCTT	GAACGAAATG	TCGACAATT
	100381	CGAAATGGAA	CACGGGACAA	TGGCGACGGA	TGCGCGTGTG	TTAGCACCAG	ATGACATCTT
	100441	GAATTGGTT	GGGTTGCTT	CTGTGCATGC	GCACCCACA	GCATAAAAAC	TAACCCTGTA
	100501	CGGTTCTCGC	ATAACCTCTG	TAGCACGCGT	TGCACAGCC	GCCCCCAGCC	TAAGTATAAC
20	100561	TGCGACCCCG	GAGTCCC CGC	ACGAACCGTA	AGCGTGGTAT	TCAGCAATAA	CACCCCTG
	100621	CTTGGCCAAAC	TCTCCAGGCA	TCCGTGAGTG	GGCGGAGTCA	TATTTGGGTA	TGATTCCATG
	100681	AGGGCCGCAA	AAATATT	AAGACTAGAC	GGTGGTGT	TGCCACGTT	TACACTAAAC
	100741	GCTAGCCC	GTGCATGTCC	CGCGGTAGGG	TATGGATCTT	GACCAATAAT	TACAACCGCA
	100801	ATGCTCTGGG	GTCCGCAAAA	TCCGTC	GCAAAATAT	CGCCTGTAGA	TGGAAGTATT
25	100861	TCTTCCCCCTG	AATTAAAAG	ACGATTGTAT	TCTAAAAAAA	TACCTTC	GTACGGCTCT
	100921	TTAAGTTCGT	CCGACACAG	GTCATACCAAC	TCAGGGAAA	TGTTAAACTT	GCTGAAAAC
	100981	TCAACCGAAT	CCAGTTGCGA	AGAGACGGGG	GTGAACGTT	CCGTGTCGTA	ATGATGTGAC
	101041	ATGTTATT	ACTTGAAAGT	TGGGGGGTCT	AGCTTAACCC	CCAAAGGCAG	CCCCGGGGT
	101101	CGCTTGC	TTTTTTG	AACCGGATGG	GCCAAACAT	AAATGTC	TGAATCCGAT
30	101161	AGTTTCATTT	CATTGGCATA	CGCGTGGAA	CAAACGGTCG	GCTCCCCAGA	CACATCCATT
	101221	TTCCGGATA	TTTGTGGAAG	ATGGAGT	GTCTACCCAT	ACACCGAAA	GGGCATCCAA
	101281	CAAAGC	CGTATGTCCC	CGCTTTATG	TTCTTCACCA	ACAGATTGTG	CCAGCCCC
	101341	TAAGGTGACG	TATGGATT	TCCAGTACGC	CATTGTTTG	TCTTAAACC	AAAGTATAAC
	101401	TTCCGGTACT	GGACATT	TCTTAACCAC	GATTCCC	AGCGCCTCGC	TGAGGTTG
35	101461	TACCGGGG	GCCGCATAGT	CCCACGCCTC	ATATACCGAT	GACACGCACG	GTTCCGTTAT
	101521	AATCAAAC	ACATCCGATA	GCGGTTGGC	TCCAAAAAC	AACGGAGTGT	CGTCTGGAG
	101581	ATGAAGACAA	TACGCGATTG	TGATAGTTT	TAAAAAAACT	ATCTGAGTA	ACCATTATG
	101641	TGATGCCATG	ACGTTGTG	TTTCCCTTCA	CTACGACGTT	GTCTATCCT	TTGAAAAACT
	101701	TGACCACTCT	AATGGAAGCA	TGGACAAGTA	TGAGTTTAT	ATATACAGTT	GGCCTT
40	101761	TAAACTCTT	GTGT	CATATC	TCATTTCC	AAAAAGGCG	ATCTTAAAT
	101821	ACGGCGTGC	GACAAAGCGA	ATTTCATGC	AAGATTGGA	TGTTAGTATT	ATACACCCAA
	101881	TCACATGTCA	CGTATTAAGC	TTTACAGTCC	CCCGTTATCT	GATATAATCA	CTTTTCTTAA
	101941	CACGT	CATCG	GGAAAACAGA	TGTTTATATT	ATACCTCTCG	CGGCAAATAC
	102001	TTAGACCGTT	TTCAAGCGGA	CTGAAAACGC	TCAAATTGCC	TTTGGAGGC	CTGCCAACG
45	102061	GCCATTATCC	CTTGGATCTA	AGATTGATT	GCGGTAACGT	TTGCCAATCA	AGCTTAAAAA
	102121	ACGTACCCCA	AACTAAAAC	GCTCAAATTG	CCTTTGGAG	GCCTGCCAA	CGGCCATTAT
	102181	CCCTTGGATC	TGAGATTGAT	TTACGGTAA	GTTCGCCAA	CCCACGCATT	TCAGTTAAA
	102241	TATTTCTAAG	CATTCTTAGT	GGCTACTTGG	CAGCGT	AAAATATCAA	CCAATATCCA
	102301	TTATGCTACA	CGTTTCC	TATCCGTTTC	AATCCATTAA	AAGTCCATT	ACAAAAATGA
50	102361	TGCATC	CTAATT	CACC	TAAAAACCTG	ACTCATTGCA	GCAGCGTT
	102421	ACTATCCAGT	TGGCATT	AAACGGTCCG	GCTGCCAAA	CCGAAAACAC	CGTGCCTT
	102481	ACTGTAAGTA	CAAAACTAAA	ATTTATATT	GCCTGCGTAT	TTTGTAA	ATATGCCTT
	102541	TATCCCCCG	CAAGTTGCT	TTACCTCGC	CTTCAC	CCC	GGCCATT
	102601	TTAATAACTT	TAATTGCTAT	AAGACATACC	CAAACCGGAT	GATTTTG	GCTGGAAAAA
55	102661	CAGCTTCTAA	TTTCCC	GTC	TAACACTCGGC	CTTGGTTGCA	TCTCCAAGTA
	102721	TTGCTCCCGT	AGAGGTGTAT	AAATACAAAC	GGTGACAAGT	ATTGAGCGTA	ATCTCAAATT
	102781	TTTGTAA	AGGGCGGAGC	GCTTACGACA	GCACATGCGT	ACTGTTAGAC	TGTTATGTT
	102841	ATTGTATT	CAGAGCAGGA	TGCCCCGGTT	ACTCCGAGAC	CGGATTGCGG	GCATTCCGAA
	102901	TCGTGTACGG	ACTTAC	CAGG	GGCAGTATT	TACACCTTGG	GTTCCAGATA
	102961	TACGACCAAT	AGCAACACTC	AGGTATT	AAAATG	ACG	TTAATGATC

	103021	TACAGTTGGT	AATAAAGCAG	ACTGTGGATG	TTTAAGGCAT	TTCCTTCCCC	CTCCCAACAA
	103081	ACTAGGACTT	CTTCATCTT	TTTCCAATAC	CTTTACCCGC	TTTACCGGCA	GAGCTTTTT
	103141	TGGTAAGGTG	TTTCAGTGA	CCTGATGTT	ATCCGGAGGT	GGAGGGGGTA	TTGAGCTCCC
	103201	CCTGTGGAGA	GGCAACTTT	CGGGTTTAC	TTCCCTTACA	TGCCGAATCA	GACTCAGATG
5	103261	TCAGGTCTAT	TGTTAACAT	CGTTAACGT	CTCTGCCGGT	ATGAAATAAA	CGGCCTTAG
	103321	CACCCCTTGC	GCTTCCCCTG	TTAACCCCCG	GTAACACAGA	AAAAAGCCTG	ACTTTTTGGG
	103381	GTGTATTTAC	CAATCGGGTA	TCCCTTCA	CGCCACGAGA	GGTCTCCCCG	GTTGAGGTGG
	103441	TTTCTGGTCT	TACAATTGGA	CCTGTAATT	GTTGGATGGC	TGTATCTTC	CAGGTCCAGG
	103501	TTTGATGGT	TAGGCGGGTT	GGATCGGTAC	ATCGATCCAA	CAAGAATAAC	ATGTTGTTA
10	103561	CAAACGGTCC	TGTTGAATCA	TGAAAAGAC	AACGCAGGGA	TGTTTTAA	CCCGCCTCAT
	103621	CACGCCCGTA	AATACCTATA	TAGTTTAATA	TCAACATTTT	TGTAGGCTCT	ACAATTTCGG
	103681	GTTGATACAG	TTCCGCAAGT	TGATCATCAA	GCCATCCGAG	TAAAGGTTGC	ATGTAACACG
	103741	GGAATCTCGC	GTTTCCCTCT	GTCGCTCAT	CCGTGGCTCG	AAAAGGCAGT	CTGTCATGG
15	103801	TTCGTGGGTC	TTGATTAATT	CCCACAGATA	CTGGACGATC	ACGGTAGTCC	TGCCCCCCGG
	103861	TCCGGGGTTG	CTGTGCAGAT	TCAATCGAGC	CATACACCAC	CGGGGTCGCC	GATCGAACAG
	103921	CAGGTGGTC	TTTAAAAAAAT	ACCTCCGTA	AAAATGATGC	GGTAGAGCAT	GTTTGGTTA
	103981	CACCAGGGCT	CGAGTCTCGG	GTCGGTGGTT	GTATAGAATC	CTGTTGAGAG	TCACTTGGTG
	104041	ACTCTGCTGT	GGGCTCTCTA	GCCGACGATT	GAAGGGGCC	AGGGTTGGT	GATTGAATGG
	104101	GCTCCCGACT	CGATCTTGAT	GTTGGCTGTT	GGATGGACTC	CCGACTCGGT	CCTGGGCTTG
20	104161	GTGGCAGAAC	ATCTATGACA	TCTCCCGTA	GGATGTCGAT	GGAATCTTCA	AATGACGGCT
	104221	CAGAAAAAAC	ATCGTCGTCG	GATGGGTGCA	CTTCATATT	CTTGTAACTT	GTATCACTTA
	104281	CGATCTTATG	CAGGATGGAT	TGCACTGGAC	ACCGGCAGAG	AGGACACTGG	ACCGTGGTGG
	104341	AGGTCCATGC	CCGAATACAA	ACAAAGCAGA	AGTCGTGCAA	ACACGGCATG	GTTTTCCGA
	104401	GATCGGAAAC	GGTGTCTCATG	CATATGGTGC	AGGTATTATC	CGAAGCGTCG	GAGGTGCCG
25	104461	TACCGCCCGC	TAATATGGTA	TCCATGGTAA	CAACTGGCTG	TATTCTAATG	TCCGGGCATC
	104521	CAAACACGTA	GCAGAACTGC	CATGCGTCT	AAATTGAG	TTGTTGGCAG	TACATTTTTA
	104581	TAATTGGTAC	CAACGAAGAC	ACACCCCTAT	ATCCCTCCAC	CCATTCTTT	TAAGTCCCAC
	104641	CCACTAAAAC	GTGGGTATAA	AATGTGTATT	GGGGTAGGCG	GACAGTCCC	ACAAACAGGG
	104701	AAGTTGATTG	GTATAACCTT	GGGCCGGGTA	TACAGCTAAG	TGACATTTA	GATTCTGTCT
30	104761	TTATTAGAT	AAAGAGCGAT	ACGAAGACAT	TTCTCCACCC	CCCTGTAATA	CCCGTAAATA
	104821	AAGGTAAGTC	CACAAACAAA	AGCACTGTAT	ATAGGAAGTC	GGGTGTATTG	GGACAGTTAC
	104881	TCCATTAGAG	GCGTACAAAC	AATACTGGGA	TAGGGTAATG	CAAGTCCCC	CCGATGGTCG
	104941	CCCCGAAAC	GCGCGGGGAG	GTGGGTCGCG	TTTTTTTTT	CTCTCTCGAG	GGGGCCGCGA
	105001	GAGGGCTGGC	CTCCTCTCCC	GGGGTCCGCC	GGGCGCCCG	AAACCGGGG	GGGTTATTT
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	105121	TTCATAAAAAA	CCGTTCCGCT	TTTATTAACA	ACAAACAGTC	CGCGCGCCAG	TGGCGCTCAC
	105181	GAGAAAAGGA	GGGGACTCCG	TCACCCCCGA	CTCTGCCGGG	GGCTCTCCC	CCCGCGCCCT
	105241	CCCCACACAT	CGTCCTCGTC	CTCGGAGGAC	GAGGACGAGG	ACAACAGCTC	CACCTTGACC
	105301	GCCGGGCGCA	AACCCACCCG	GCGGTCTCGC	AGCACACCCG	GGGCCACCGA	CACCGATGCTC
40	105361	ACCCAAAGG	ATGACCCCGG	TGCGTCCCCG	TCGTCCCCGC	CCCCCTCCTC	GCTGTCCCAC
	105421	GCGTCTTCAC	ACCCCACCTC	CCAATCGTC	AGCTCAAAG	CGTGTCTCT	GTCGTCTGCG
	105481	GTGCGCCGCT	GTCGCCCCGC	CTGGGTTTCT	GACGGCCGTT	CCGAGCCCC	GTGGTGTCCG
	105541	AACACGAACC	GTGTTCCGTC	GCTCCCCCTC	AACACCGTCT	CCGCGGCCCC	AAAACCGGGC
	105601	GGCACACATTA	CTCTGGGAAT	CGGGGGGAGG	GCATTCCGAG	CCTCGTCCGC	CGACGCATAC
45	105661	AGCGCCACCG	ACCGACCGGC	CACGGGTGGA	AGCACAGGTG	GTTCTGCCG	AGGGTCGGGT
	105721	TCCAGCAGGG	CGTGGCGGCA	AAACACCCCTC	GCCCAGGTGG	GTACGTGCC	GGCCTCCGGC
	105781	CCGGCGGCC	CCGGTCTCCG	TCCCTCGGGA	AGGAAGACGG	GTCGAAGCGC	GGCACCCAGG
	105841	CCCCATCGGT	TTGCTGCCG	GTGGCTATGT	GCCGCTCGT	CCACAAAGTC	GGCTGCCCG
	105901	AGCCCCAGAC	CCCGAGACTG	TCGGCGAGG	TCCTTCAAC	CGTCAAAC	CGGCAGCACG
50	105961	TACTGCCGGT	ATTCACGGGG	CGACAGGGGG	ACGCGGGTCT	TGGGGCCCGC	GCGGGTACAC
	106021	ACGGTGTATG	CGACGTTCCC	ACCGCGGCAC	AAACACAGGG	GTTGTTCGCC	CGGGTACAGG
	106081	TTGGCAAACG	CAGTCTCGAT	ACGAGCAAA	CTCGCTGGCC	CAAAGGTGCG	CGACGATGCA
	106141	AACACGGCCC	GGCGAGTCC	TTCTGTGACC	GCCGAGTCTG	GCCATCGAC	GACGGCCTGG
	106201	GCGTCCGGTC	GCGCCGGGGC	CCGGACGTAC	ACGTGATACT	GAGACAAAGC	GGGTCCATCC
55	106261	CTGGGCCACC	TCTCGAGGGC	CACCGCGTC	AACACCAGCA	ACCGGCCCG	GGCAGAGGCC
	106321	AACCGCGAGC	CTAGATACTC	GACGGCCCCG	GAAAGGCCA	GGTCTCGGGT	CGACAGTAAT
	106381	AAAACGCCCC	GGCGTCTCAA	AGCGGACACG	TCCGGCGGGC	CGGTCCAGTT	CCCGGCCAG
	106441	GCATGAGTGC	TCGGCAGGCA	CAACCGGTTA	CTCAGGGCTG	CCAGGACAC	AGACAGTCCC
	106501	CCTCGGGATG	GACTCCATGA	CGGTCCCCGGA	TCTGTCGCGA	GGGTGCTCTC	GAGGGGGCCG

	106561	TTGATGTCCT	CTCCGGGCAA	CGGATCGTAG	ATGATCAGAA	GCCTCACATC	CTCCGGGTCT
	106621	GGGATCTGCC	GCATCCAGGC	GCACCTCCGT	CGCAGCGCCT	CCACTCCGCT	GGGTGGACCA
	106681	AACCGTCGGT	CTCCTCCGCC	CGGACGCCGA	GC GGCGATT	CCGCCAAGGC	GCCGGGATCA
5	106741	AAGCTTAGCG	CAGGGCGCCA	GGCCGTGGGA	AACAATGGGT	CGTCGACCAG	ACGGGCATG
	106801	GTTCGGGGG	TACAGTACGC	CTTGCAGGCC	TGGTCCGACG	GGACCGGGGT	ATGCAGGGCC
	106861	CCCCGGGGAA	TACGCCAAA	TCCCCCGTT	GGGGCCGGTC	CGTCAAGTGG	CATCGTTATT
	106921	ACGGCGGGGG	GATCCACAC	AGGGCCCGAG	GTGATGGTCA	CGGGCTCGGA	TACCCGCCTC
	106981	TTGGCCTTGG	AAACCACATG	ATCGTCTGCA	ACCCGGCGT	CCCGGACGGG	TGTCTCCCTA
10	107041	ATCTTGTGCA	GGAGGCTCT	GCTCTCGACT	GGCTGGACT	TGCGCTTGCG	CGGAGGTCGT
	107101	AAACGATCAT	CCGGTGGACA	CACAGAAAAGA	GAGCGTGC	CGGCCGACGG	CTGAGGGTCG
	107161	GGAGCCTGTG	TGGCCGGGT	TGTTGGAGAA	GGGTGACCGC	GGGAGATCCG	CGCCGCCGGA
	107221	CTGGAGCCCG	TTGCCTCGGG	GTATGCCATG	CTGGCAAAGG	CTCTGCGGAG	ACTCTGTAGG
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15	107341	GGGAGAGCCC	AGAGGGCCTC	CCCCGTGGCC	ATGGCTTCGC	CTACATGCCG	AACGGGAGAC
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	107461	TGGTCAGGG	CCGAGTTGAC	ACCGGTCAGC	TTGGGTTCT	GGAGGCCATGC	TATAGGGTCT
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	107641	ACAGCCTCAT	CCTCCCAGTG	ACCCTCTCTG	GTCTCCCCGG	ACGGTCCAAA	CCGCACCCCTG
20	107701	TTGGATGGGA	GGGGTGCCGA	TCCGGGCCAA	GGGCTCCGT	CGGGCATCAT	GAGCGGCC
	107761	GACACCGGGG	GAATTATCGG	GGTTCTGGAT	CGCGCAGGG	AAAATGATTT	CTGTCCTGG
	107821	CGCCCCGGTT	CCCCCGCAAG	ACGTTTGGTC	TTACGAATCC	TCGGATCGGG	ACCGCTGATG
	107881	GATCGATATC	CCGGTTGGAT	ATTTTGTTC	GTGACCCAC	CATCATTGA	GTCCGAATCA
	107941	TCCGAATTG	ACGGGGAAGG	GGCGTGTTCG	CGTCCGGACC	TGCTGCCTGT	AGTTCACTT
25	108001	CCCACCGAAA	CGCGCCGGGG	TTCATCGTCT	TCATCCCTCG	ATGACGATCC	CCACGACGAG
	108061	GAAGAGGATG	AAGACGAAAC	AAACTCACGA	CTCTTGGCT	TTTCTCCAC	TGGGCTGTCA
	108121	TCCTCAATCG	GGTCTGGTGC	GTGGGATCTT	CCCAGCAGGG	CCAAAAAACG	TCTAGGTTTG
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30	108301	GAAAGGACGT	GGTACAATTG	CTCAACCGGG	CGGGGTACAG	GTCCACCGGG	TTTCCGCGCC
	108361	GGGAGTGGGA	CCTTAACCTT	CAAAGTCTT	TTCTTCGGGC	TCTTTCCTG	AGCGGGCCG
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	108481	CCCGGCTTTT	TACCCGAGAT	GGACTGAGTT	TGTCTGTCTC	GATGGACCCAC	CGACGGCAA
	108541	CCTGGTGAAT	TTCCCTCTCGT	CGTTTGTCCG	GGTATAGACC	GCTGGTCTTC	CGGTTGATCG
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	108781	CCGGCCTCCG	AGAATCGGGT	GTGGAAGACCC	TCGGCCAGCG	GGATTACAGG	CGAGCCCATT
	108841	AGATCCTGAC	CGTCCTCGCA	TACGTAGTCG	TCTTGTGTTA	GCTCTCGCC	AACATCTTCC
40	108901	GTTCTGGGTT	CTGGTTGAAG	TCCCGATAACG	GAGGGAAATTG	AAACGATCTC	GTGTTCCCGT
	108961	CCCACCATGA	CCCCGTTCTC	TCCAAATAGT	AGATCGTCAG	GCTGACTCGA	GGTGACCA
	109021	CGGGCCCTGT	GTTCGGCGGC	CGCCGCGGCC	GCGTCCAACA	GGTCCATTAA	CTCCAAAGTA
	109081	TCAGGCAGAC	CCGCGCGTTG	GGGTGTAGAG	CGCTGCATCG	GCGCGTATC	CATCGCACTG
	109141	GGGTGAATT	AGACGTACCC	GAGTTTCCA	AACGCTCTCG	CAGCCTCAA	AGGATTGCGA
45	109201	TTGCGGTTGG	TGAGGGAGTT	CCAACAGTAC	TTAAAACGTG	TTGTGCCCCC	CCCTCGACCG
	109261	CATATTCTC	CCCCGTGTCG	TCACCGTGT	AATATTCTT	ATGATAAGAC	GATGTAAGTGA
	109321	TTGGACGAGA	CTCGAGGC	GAAGTTCATG	GACCATAGT	TGCGTTAAG	GAGAGACCGC
	109381	TGGTGGCGA	TGTACGCCG	GTGTCTATT	CCGCATACCT	TACAACATCA	TAACAAGGGA
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	109681	CCCTCCCAAC	GATTATGTCA	GGCGGCACGA	AGCCCGCGAT	AACCCATAAA	ATACACACGG
	109741	GGTTGTGGTG	TTCACGTAAC	CCCCCGCCGA	TGGGGAGGGG	GCGCGGTAC	CCGCGCGATGG
55	109801	GGAGGGGGCG	CGGTACCCCG	CCGATGGGGA	GGGGCGCGG	TACCCCGCCG	ATGGGGAGGG
	109861	GGCGCGGTAC	CCCGCCGATG	GGGAGGGGGC	CGGGTACCCC	GCCGATGTTT	ATAACCATAA
	109921	TTCTCTAAC	CGTTGTAGAA	AATCACAAA	AAATTATTTC	AAAAACAAGT	CGAAGAACTT
	109981	CATATCTGAG	GCATGTAAC	CCGTTCGCAC	TTCCCTGGGGT	GGAATGGGGT	GGGGTGGGGG
	110041	GGTAAAAAG	GGGGGGGGTT	AAATTGGGCG	TCCGCATGTC	TGTGGTGTAC	GCCAATCGGA

	110101	TACACTCTT	TGATCTGCAT	TCGCACTTCC	CGTTTTTCA	CTGTATGGGT	TTTCATGTTT
	110161	TGGCATGTGT	CCAACCACCG	TTCGCACTTT	CTTTCTATAT	ATATATATAT	ATATATATAT
	110221	ATATATAGAG	AAAGAGAGAG	AGTTTCTTGT	TCGCGCGTGT	TCCC CGCAGTG	TCGCGGTTTT
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5	110341	TAAAATCGAT	TTGACGTGAT	AAAAAAAAC	ACACGGGGCC	CCCCCCTTT	TTTGGTGTAA
	110401	TAAAGGCAAC	CCAATCGAAG	GTCTCCGCC	CCGGAATCCC	CCATTGCCAT	TTTACCCAAG
	110461	TAGCCTTATT	CATAGATGTA	AACGTTGGG	TGTGTGTTT	GTTGTGCAGG	GTTCGTCCGA
	110521	TTCATAACGC	GACAGCGTCG	AGTCGGTTT	AAGGGAAAAG	GTTACTACGG	CCCCAAGGAC
10	110581	ATGTTTGCA	CCTCACCGGC	TACCGGGGGC	GACTCGTCCG	AGTCAAAACC	CGGGGCATCG
	110641	GTTGATGTTA	ACGGAAAGAT	GGAATATGGA	TCTGCACCAG	GACCCCTGAA	CGGCCGGGAT
	110701	ACGTCGCGGG	GCCCCGGCGC	GTTTTGTACT	CCGGGTTGGG	AGATCCACCC	GGCCAGGCTC
	110761	GTTGAGGACA	TCAACCGTGT	TTTTTTATGT	ATTGCACAGT	CGTCGGGACG	CGTCACGCGA
	110821	GATTACGAA	GATTGCGCG	CATATGCCTC	GACTTTATC	TAATGGGTCG	CACCAGACAG
15	110881	CGTCCCACGT	TAGCGTGCTG	GGAGGAATTG	TTACAGCTTC	AACCCACCCA	GACGCAGTGC
	110941	TTACCGGCTA	CTTAATGGA	AGTGTCCCCT	CGACCCCTC	GGGGGAAAGA	CGGGTTTCATT
	111001	GAGGCGCCGA	ATGTTCCTT	GCATAGGAGC	GCACGGAAAT	GTGACGTATC	TGATGATGGT
	111061	GGTGAAGACG	ATAGCGACGA	TGATGGGTCT	ACGCCATCGG	ATGTAATTGA	ATTCGGGAT
	111121	TCCGACGCGG	AATCATCGGA	CGGGGAAGAC	TTTATAGTGG	AAGAAGAAC	AGAGGGAGAGC
20	111181	ACCGATTCTT	GTGAACCAGA	CGGGGTACCC	GGCGATTGTT	ATCGAGACGG	GGATGGGTGC
	111241	AACACCCCGT	CCCCAAAGAG	ACCCCAGCGT	GCCATCGAGC	GATACGCGGG	TGCAGAAACC
	111301	GCGGAATATA	CAGCCGCGAA	AGCGCTCACC	GCGTTGGCG	AGGGGGGTGT	AGATTGGAAG
	111361	CGACGTCGAC	ACGAAGCCCC	GCGCCGGCAT	GATATACCGC	CCCCCCATGG	CGTGTAGTCT
	111421	TTATAAATAA	ATACAATGGT	TTGGCTCGTG	TCTTTTTTG	ATGTCTGTCT	GTGGGGGAGT
25	111481	GGGGTGTGTT	GGATATTAGA	GGGTAGAGGG	TGCTGGTTG	AACGTCTCCA	TTAACCCACG
	111541	GGGTCCCCAC	ACGGGCGGTG	TGGTATGAAT	CTCTCGGGAT	CCCGCGGTGA	GCACCCGGGC
	111601	GGTGAATATG	CCGGACTTTA	CTGCACACGA	CACGATACCC	CCGCGCACCA	GGCTCTCATG
	111661	AAACGACGCCG	AAACGGTACTT	CGCCGCCGCG	CTATCGGCCA	TATCTACCGA	GGCCTACGAG
	111721	GCTTTTATAC	ACAGCCCTC	CGAGAGACCC	TGCGCGAGTT	TGTGGGGGAG	GGCAAAGGAC
30	111781	GCCTTCGGAC	GGATGTGCGG	GGAGCTCGCA	GCGGATAGAC	AACGTCCACC	CTCGGTTCCG
	111841	CCGATCCGCA	GAGCGGTGTT	ATCGTTATTA	CGCGAGCAAT	GCATGCCGGA	TCCACAATCG
	111901	CATCTGGAGC	TCAGCGAGCG	GCTGATATTG	ATGGCATATT	GGTGCTGTT	GGGACACGCC
	111961	GGACTTCCGA	CTATTGGATT	GTCGCCCGAT	AATAAATGCA	TCCGCGCCGA	ATTATATGAC
	112021	CGCCCCGGGG	GAATTGTCGA	CAGGTTTTT	GACCGCTACC	TGGGCTGCGG	GTCCCTTGGA
35	112081	GTCCCAAGAA	CCTACGAGAG	ATCCTGACAC	CCCACCCCTT	TATATAGAAA	AAAAAAATAA
	112141	ATTTAAAACA	TACACCGGAT	AAAAGCGTAC	TGTTTTTTAT	TTAAATTTCAC	ACGCTCGGCG
	112201	TTGCCCGGT	TCGGTGTATCA	CCGGGTCTTA	TCTATATACA	CCGTGTAACT	CGAACCCCCG
	112261	TGACTCCCTC	CAATCGCGTT	ACCAAACCTCT	TCTTCGCGTAT	CCGTAGATTG	CGAGTCCTCG
	112321	AAATCGTCCA	CTTATCCAAC	AAATTGTGAC	GTTATATATC	CCAAGGCAAA	GGCCGCTCCC
40	112381	GTCATAGCAA	ATACAAAGAC	AATTATTAGC	GTAATATAAC	AGAATTTTT	ACGATGATAT
	112441	ATTTTATGTT	GATATTTC	AATTGACGC	AAAAATTCAAT	CTGCCGTTTC	ATTTTCGCTA
	112501	TCACTATAAT	AAACACTTTTC	AGCCGAACGG	CTCGGTTGTA	TGGCTGTTAT	CGTTGTATTA
	112561	TTTGGTTGCG	CTCGCGGGGT	TACCACCGCT	TCCATCAGTA	AGGCCACGGC	CTCACCCCTCC
	112621	ATGGGTGTTT	GTCCGGCCAT	AGAAAATCCAG	ATTGTAAGGC	CAGCAGGCTA	GTTTAAAAGT
45	112681	GTTTAATACC	ACACCTTTG	ATATTTATAT	ACATGCAAGA	TTCTAGATTA	TTCATCAATA
	112741	GGTCGTTAA	AGCGCGTTT	CATAAACGTT	GTCAGCTATA	CCGACATTCT	CACAAAGAGG
	112801	TAAAGTTACC	TTACGTTATT	ATTAATAAA	ACATGTAGAC	ATTATTAATA	ATCCTAGGAA
	112861	CAATCAAATC	CATATTGTA	AGTTATGTTT	AACCCCTCCC	CTTTTTGTCA	TTATCTCCGC
	112921	CCTCTTATAA	TCGGATCACT	TTATAAGTGT	GTCGGTGAGT	ATATTTGTA	CAGTTGTTGG
50	112981	ACAAACAGGTT	TTGGGTCAT	TAACACTATC	AACATAAGTC	GGGGTATACA	AGTATAATGA
	113041	ACGACGTTGA	TGCAACAGAC	ACCTTTGTTG	GACAAGGAAA	GTTCCGTGGC	GCCATCTCAA
	113101	CATCACCGTC	ACATATTATG	CAAACATGTC	GGTTTATACA	ACAGATGTTT	CCAGTTGAAA
	113161	TGTCGCCCCGG	CATAGAAATCT	GAGGATGATC	CCAATTATGA	CGTTAACATG	GATATACAGT
	113221	CTTTTAATAT	ATTTGATGGT	GTACACGAA	CTGAAGCCGA	AGCCTCTGTG	GCATTGTGCG
	113281	CAGAAGCACG	CGTTGGAATT	AATAAAGCGG	GATTTGTAAT	ATTAAAAACG	TTTACACCAG
55	113341	GGGCGGAAGG	TTTGCGTTT	GGCGTGTATGG	ACAGTAAAAC	ATGTGAACAT	GTGGTCATTA
	113401	AAGCGGGTCA	ACGTCAAGGA	ACGGCCACCG	AGGCAACCGT	GTAAAGAGCG	TTAACCCACC
	113461	CATCCGTTGT	ACAGCTTAAA	GGAACGTTTA	CGTATAACAA	AATGACATGT	CTTATATTAC
	113521	CACGTTACCG	AACAGATT	TACTGCTATC	TAGCTGCAA	GCGCAACCTC	CCCATATGTG
	113581	ACATTTTAGC	AATTCAAGCGA	TCTGTATTAC	GCGCGTTACA	GTATCTTCAT	AATAACAGTA

	113641	TTATTCACCG	TGATATAAAA	TCTGAAAATA	TATTTATTAA	CCACCCAGGT	GATGTTTGTG
	113701	TGGGAGACTT	TGGAGCAGCG	TGTTTCCCCG	TGGATATTAA	TGCCAACAGG	TATTATGGCT
5	113761	GGGCTGGAAC	AATGCCACA	AACTCTCCTG	AGTTATTGGC	TAGAGATCCA	TATGGACCTG
	113821	CCGTGGACAT	ATGGAGTGCC	GGGATTGTAT	TATTTGAAAT	GGCTACAGGA	CAGAACTCGT
	113881	TATTTGAACG	AGACGGTTA	GATGGCAATT	GTGACAGTGA	GCGTCAAATT	AAACATTATTA
	113941	TACGACGATC	TGGAACTCAT	CCCAATGAAT	TTCCCATTAA	CCCTACATCA	AATCTTCGTC
10	114001	GACAATACAT	TGGTTGGCA	AAACGGTCTT	CTCGAAAACC	CGGATCCAGG	CCATTGTGGA
	114061	CAAATCTATA	TGAGTTGCCA	ATTGATTGG	AGTATTGAT	ATGTAAGATG	TTATCGTTG
	114121	ACGCACGTCA	TCGACCATCA	GCAGAGGTGT	TGCTTAACCA	CTCTGTTTC	CAAACCTTTC
15	114181	CCGATCCATA	TCCAAATCCA	ATGGAAGTTG	GAGATTAAAA	TTCATTAAGC	CTGTTAATAA
	114241	AATATTGTAT	AAATTGTGTT	TATAACGTAT	AAACCGTTAA	GGCAAATAGG	GTACAAACGC
	114301	GCAATGTTT	GAAATACTAA	TATAAATAAC	ATAACCAATA	GAAACTTAAT	ACAGAGTCAC
	114361	GCCCCATTAC	AACAAGGATA	AAACACGGGA	TCATTTCTT	ACATTGTTAG	TAGCGCTGAA
20	114421	AAGCGTCCCC	TCCCCCGGCT	CACAGAGCTG	CTCTTCGGTG	TAGTTGGGTA	TACTGGTGC
	114481	CCTCATTTAA	TCGCGATGTT	TTTAATCCAA	TGTTTGATAT	CGGCCGTTAT	ATTTTACATA
	114541	CAAGTGACCA	ACGCTTTGAT	CTTCAAGGGC	GACCACGTGA	GCTTGCAAGT	TAACAGCAGT
	114601	CTCACGTCTA	TCCTTATTCC	CATGCAAAT	GATAATTATA	CAGAGATAAA	AGGACAGCTT
	114661	GTCTTATTG	GAGAGCAACT	ACCTACCGGG	ACAAACTATA	GCGGAACACT	GGAACGTGTTA
25	114721	TACGGGATA	CGGTGGCGTT	TTGTTCCGG	TCAGTACAAG	TAATAAGATA	CGACGGATGT
	114781	CCCCGGATT	GAACGAGCGC	TTTTATTTCG	TGTAGGTACA	AACATTGTTG	GCATTATGGT
	114841	AACTCAACGG	ATCGGATATC	AAACAGAGCCG	GATGCTGGTG	TAATGTTGAA	AATTACCAA
	114901	CCGGGAATAA	ATGATGCTGG	TGTGTATGTA	CTTCTTGTTC	GGTTAGACCA	TAGCAGATCC
	114961	ACCGATGGTT	TCATTCTGG	TGTAATGTA	TATACAGCGG	GCTCGCATCA	CAACATTACAC
30	115021	GGGGTTATCT	ACACTTCCTC	GTCTCTACAG	AATGGATATT	CTACAAGAGC	CCTTTTCAA
	115081	CAAGCTCGTT	TGTGTGATTT	ACCCGCGACA	CCCAAAGGGT	CCGGTACCTC	CCTGTTCAA
	115141	CATATGCTTG	ATCTTCGTGC	CGGTAAATCG	TTAGAGGATA	ACCCCTGGTT	ACATGAGGAC
	115201	GTTGTTACGA	CAGAAACTAA	GTCGTTGTT	AAGGAGGGGA	TAGAAAATCA	CGTATATCCA
	115261	ACGGATATGT	CCACGTTACC	CGAAAAGTCC	CTTAATGATC	CTCCAGAAA	TCTACTTATA
35	115321	ATTATTCTA	TAGTAGCGTC	TGTCATGATC	CTCACCGCCA	TGGTTATTGT	TATTGTAATA
	115381	AGCGTTAACG	GACGTAGAAT	AAAAAAACAT	CCAATTATC	GCCCAAATAC	AAAAACAAGA
	115441	AGGGGCATAC	AAAATCGCAC	ACCAGAAATCC	GATGTGATGT	TGGAGGCCGC	CATTGCACAA
	115501	CTAGCAACGA	TTCGCGAAGA	ATCCCCCCCCA	CATTCCGTT	TAAACCCGTT	TGTTAAATAG
	115561	AACTAATTAT	CCCGGATTT	ATATTAAATA	AACTATATGC	GTTTTATTAA	GCGTTTTGAT
40	115621	TACGCGTTGT	GATATGAGGG	GAAGGATTAA	GAATCTCCTA	ACTATAAGTT	AACACGCCA
	115681	CATTGGGCG	GGGATGTTT	ATGAAGCCTT	AAAGGCCGAG	CTGGTATACA	CGAGAGCAGT
	115741	CCATGGTTTT	AGACCTCGGG	CGAATTGCGT	GGTTTTAAGT	GACTATATTC	CGAGGGTCGC
	115801	CTGTAATATG	GGGACAGTTA	ATAAACCTGT	GGTGGGGGTA	TTGATGGGGT	TCGGAATTAT
	115861	CACGGGAACG	TTGCGTATAA	CGAATCCGGT	CAGAGCATCC	GTCTTGCAT	ACGATGATTT
45	115921	TCACACCGAT	GAAGACAAAC	TGGATACAAA	CTCCGTATAT	GAGCCTTA	ACCATTACAGA
	115981	TCATGCGGAG	TCTTCATGGG	TAATCGGGG	AGAGTCTTCG	CGAAAAGCGT	ACGATCATAA
	116041	CTCACCTTAT	ATATGCCAC	GTAATGATTA	TGATGGATT	TTAGAGAACG	CACACGAACA
	116101	CCATGGGTG	TATAATCAGG	GCCGTGGTAT	CGATAGCGGG	GAACGGTTAA	TGCAACCCAC
	116161	ACAAATGTCT	GCACAGGAGG	ATCTTGGGA	CGATACGGGC	ATCCACGTTA	TCCCTACGTT
50	116221	AAACGGCGAT	GACAGACATA	AAATTGTAAC	TGTGGACAA	CGTCAATACG	GTGACGTGTT
	116281	TAAAGGGAGAT	CTTAATCCAA	AAACCCCAAGG	CCAAAGACTC	ATTGAGGTGT	CAGTGGAAAGA
	116341	AAATCACCCG	TTTACTTTAC	GCGCACCGAT	TCAGCGGATT	TATGGAGTCC	GGTACACCGA
	116401	GACTTGGAGC	TTTTTGCCTG	CATTAACCTG	TACGGGAGAC	GCAGCGCCCG	CCATCCAGCA
	116461	TATATGTTA	AAACATACAA	CATGTTTCA	AGACGTGGT	GTGGATGTGG	ATTGCGCGGA
	116521	AAATACTAAA	GAGGATCAGT	TGGCCGAAAT	CAGTTACCGT	TTTCAAGGTA	AGAAGGAAGC
55	116581	GGACCAACCG	TGGATTGTTG	TAAACACGAG	CACACTGTTT	GATGAACTCG	AATTAGACCC
	116641	CCCCGAGATT	GAACCGGGTG	TCTTGAAGAT	ACTTCGGACA	AAAAAAACAAT	ACTTGGGTGT
	116701	GTACATTGTTG	AACATGCGCG	GCTCCGATGG	TACGCTTAC	TACGCCACGT	TTTTGGTCAC
	116761	CTGGAAAGGG	GATGAAAAAA	CAAGAAACCC	TACGCCCGCA	GTAACTCCTC	AACCAAGAGG
	116821	GGCTGAGTT	CATATGTGGA	ATTACCACTC	GCATGTATT	TCAGTTGGTG	ATACGTTTAG
	116881	CTTGGCAATG	CATCTTCAGT	ATAAGATACA	TGAAGCGCCA	TTTGATTTC	TGTTAGAGTG
	116941	GTTGTATGTC	CCCATCGATC	CTACATGTCA	ACCAATGCGG	TTATATTCTA	CGTGTGTTGTA
	117001	TCATCCCAAC	GCACCCCAAT	GCCTCTCTCA	TATGAATTCC	GGTTGTACAT	TTACCTCGCC
	117061	ACATTTAGCC	CAGCGTGTG	CAAGCACAGT	GTATCAAAT	TGTGAACATG	CAGATAACTA
	117121	CACCGCATAT	TGTCTGGAA	TATCTCATAT	GGAGCCTAGC	TTTGGTCTAA	TCTTACACGA

	117181	CGGGGGCACC	ACGTTAAAGT	TTGTAGATAC	ACCCGAGAGT	TTGTCGGGAT	TATACTTTT
	117241	TGTGGTGTAT	TTAACGGGC	ATGTTGAAGC	CGTAGCATAC	ACTGTTGTAT	CCACAGTAGA
	117301	TCATTTGTAT	AACGCAATG	AAGAGCGTGG	ATTTCGCCA	ACGGCCGGTC	AGCCACCGGC
5	117361	GACTACTAAA	CCCAAGGAAA	TTACCCCCGT	AAACCCCAGA	ACGTCACCAC	TTCTACGATA
	117421	TGCCGCATGG	ACCGGAGGGC	TTGCAGCAGT	AGTACTTTA	TGTCTCGTAA	TATTTTTAAT
	117481	CTGTACGGCT	AAACGAATGA	GGGTTAAAGC	CTATAGGGTA	GACAAGTCCC	CGTATAACCA
	117541	AAGCATGTAT	TACGCTGGCC	TTCCAGTGGA	CGATTCGAG	GACTCGGAAT	CTACGGATAC
	117601	GGAAAGAAGAG	TTTGGTAACG	CGATTGGAGG	GAGTCACGGG	GGTTCGAGTT	ACACGGTGT
10	117661	TATAGATAAG	ACCCGGTGT	CACCGAACCG	GGGCAACGCC	GAGCGTGTAA	ATTAAATAA
	117721	AAAACAGTAC	GCTTTTATCC	GGTGTATGTT	TTAAATTAT	TTTTTTTTC	TATATAAAGG
	117781	GATGGGGTGT	CAGGATCTCT	CGTAGGTTCT	TGGGACTCCA	AGGGACCCGC	AGCCAGGTA
	117841	CGCGTCAAAA	AGCCTGTGAC	AAATTCCCCC	GGGGCGGTCA	TATAATTCCG	CGCGGATGCA
	117901	TTTATTATCG	GGCGACAATC	CAATAGTCGG	AAGTCCGGCG	TGTCCCAAAC	AGCACCAATA
15	117961	TGCCATCAAT	ATCAGCCGCT	CGCTGAGCTC	CAGATGCGAT	TGTGGATCCG	GCATGCATTG
	118021	CTCGCGTAAT	AACGATAAAC	CCGCTCTGCG	GATCGCGGA	ACCGAGGGTG	GACGTTGTCT
	118081	ATCCGCTGCG	AGCTCCCCGC	ACATCCGTCC	GAAGGCGTCC	TTTGCCTCC	CCCACAAACT
	118141	CGGCCACGGT	CTCTCGGAGG	GGCTGTGTAT	AAAAGCCTCG	TAGGCCTCGG	TAGATATGGC
	118201	GCATAGCGCG	GCGGCGAAGT	ACCGTTCGGC	GTCGTTCATG	AGAGCCTGGT	GCGCGGGGGT
	118261	ATCGTGTGCGT	GTGCAGTAAA	GTCCGGCATA	TTCACCGCCC	GGGTGCTCAC	CGCGGGATCC
20	118321	GCAGAGATTC	ATACCACACG	GCCCGTGTGG	GGACCCCGTG	GGTTAATGGA	GACGTTCAAA
	118381	CCAGCACCCCT	CTACCCCTCA	ATATCCACAA	CACCCCACTC	CCCCACAGAC	AGACATCAAA
	118441	AAAAGACACG	AGCCAAACCA	TTGTATTAT	TTATAAAAGAC	TACACGCCAT	GGGGGGGGCGG
	118501	TATATCATGC	CGGCGCGGGG	CTTCGTGTCC	ACGTCGCTTC	CAATCTACAC	CCCCCTCGCC
	118561	CAACCGGGTG	AGCGCTTTCG	CGGCTGTATA	TTCCGGGGTT	TCTGCACCCG	CGTATCGCTC
25	118621	GATGGCACGC	TGGGGTCTCT	TTGGGGACGG	GGTGTGTCAC	CCATCCCGT	CTCGATAACA
	118681	ATCGCCGGGT	ACCCCGTCTG	GTTCACAAGA	ATCGGTGCTC	TCCTCTGATT	CTTCTTCCAC
	118741	TATAAAAGTCT	TCCCCGTCCG	ATGATTCCGC	GTCGGAATCC	CGAAATTCAA	TTACATCCGA
	118801	TGGCGTAGAC	CCATCATCGT	CGCTATCGTC	TTCACCAACCA	TCATCAGATA	CGTCACATTC
	118861	CAGTGCCTC	CTATGCAAAG	GAACATTGG	CGCCTCAATG	AACCCGTCTT	CCCCCGGAGG
30	118921	GGGTCGATGG	GACACTTCCA	TTAAAGTAGC	GCGTAAGCAC	TGCGTCTGGG	TGGGTTGAAG
	118981	CTGTAAACAT	TCCTCCCAGC	ACGCTAACGT	GGGACGCTGT	CTGGTGCAC	CCATTAGATA
	119041	AAAGTCGAGG	CATATGCGCC	GCAATCTTCG	TGAATCTCGC	GTGACGCGTC	CCGACGACTG
	119101	TGCAATACAT	AAAAAAACAC	GGTTGATGTC	CTCAACGAGC	CTGGCCGGGT	GGATCTCCCA
	119161	ACCCGGAGTA	CAAAACGCGC	CGGGGGCCCCG	CGACGTATCC	CGGCCGTTCA	GGGGTCTCGG
35	119221	TGCAGATCCA	TATTCCATCT	TTCCGTTAAC	ATCAACCGAT	GCCCCGGGTT	TTGACTCGGA
	119281	CGAGTCGCCC	CGCGTAGCCG	GTGAGGTGCA	AAACATGTCC	TTGGGGCCGT	AGTAACCTTT
	119341	TCCCTTAAAAA	CCGACTCGAC	GCTGTCGCGT	TATGAATCGG	ACGAACCCCG	CACAACAAAA
	119401	CACACACCCA	AACGTTTACA	TCTATGAATA	AGGCTACTTG	GTTAAAATGG	CAATGGGGGA
	119461	TTCCGGGGCG	GGAGACCTTC	GATTGGGTTG	CCTTTATAAC	ACCAAAAAAA	GGGGGGGGCC
40	119521	CCGTGTGTTT	TTTTTTATCA	CGTCAAATCG	ATTTTAAAAA	GCCTGCCGCT	CCATTGGA
	119581	TATATATATT	CTGTGAAAAG	CCCGCCCA	CCCCATAAAA	CCGCGACATC	GGGGGAACAC
	119641	GCGCGAACAA	GAAACTCTCT	CTCTTTCTCT	ATATATAT	ATATATAT	ATATATAT
	119701	AGAAAGAAAG	TGCGAACGGT	GGTTGGACAC	ATGCCAAAC	ATGAAAACCC	ATACAGTGA
	119761	AAAACGGGAA	GTGCGAATGC	AGATCAAAG	AGTGTATCCG	ATTGGCGTAC	ACCACAGACA
45	119821	TGCGGACGCC	CAATTAAACC	CCCCCCCTT	TTCACCCCCC	CACCCCAACCC	CATTCCACCC
	119881	CAGGAAGTGC	GAACGGGTTT	ACATGCCTCA	GATATGAAGT	TCTTCGACTT	GTTTTGAAAT
	119941	AAATTTTTT	GTGATTTCCT	ACAACGGTTT	AGAGAATTAT	GGTTATAAAC	ATCGGCGGGG
	120001	TACCGCGCCC	CCTCCCCATC	GGGGGGGTAC	CGCGCCCCCT	CCCCATCGGC	GGGGTACCGC
	120061	GCCCCCTCCC	CATCGGGGG	GTACCGCGCC	CCCTCCCCAT	CGGGGGGGTA	CGCGCCCCCC
50	120121	TCCCCATCGG	CGGGGGGTTA	CGTGAACACC	ACAACCCCGT	GTGTATTGAT	TGGGTTATCG
	120181	CGGGCTTCGT	GCCGCCTGAC	ATAATCGTTG	GGAGGGGTGG	TGGTGTATAC	GCTTGTGAT
	120241	TGCGCGAACG	TAATGACGAC	GGAGAGGGAC	CCAAACACAC	CGTCGACGTG	CATTGATTA
	120301	ACTAGATGCC	GGATGGGTGG	AAACAACCCG	TGTTATATAA	GATGTTTGC	ATGTGAGACA
	120361	ACCCCAATTG	TGTTTATGTA	TATTATATA	CGTCTGTAGA	CACACGATGA	TTGGTTGTTA
55	120421	TTTAAACATA	TGTAAATGAA	ATTCACATGT	CTGGTATCCC	TTGTTATGAT	GTTGTAAGGT
	120481	ATGCGGAAAT	AGACACCGGG	CGTACATCGC	CAACCAGCGG	TCTCTCCTTA	AACGCATACT
	120541	ATGGTCCATG	AACTTCCCAC	CTCGAGTCTC	GTCCAATCAC	TACATCGTCT	TATCATTAAG
	120601	AATATTTACA	CGGTGACGAC	ACGGGGAGGA	AATATGCGGT	CGAGGGGGGG	GCACAAACACG
	120661	TTTTAAGTAC	TGTTGGAACT	CCCTCACCAA	CCGCAATCGC	AATCCTTGA	AGGCTGCGAG

	120721	AGCGTTGGA	AAACTCGGGT	ACGTCTAACAT	TCACCCCAAGT	GCGATGGATA	CGCCGCCGAT
	120781	GCAGCGCTCT	ACACCCCCAAC	GCGCGGGGTC	GCCTGATACT	TTGGAGTTAA	TGGACCTGTT
5	120841	GGACGCGGCC	GCGGCGGCCG	CCGAACACAG	GGCCGGGGTG	GTCACCTCGA	GTCAGCCTGA
	120901	CGATCTACTA	TTTGGAGAGA	ACGGGGTCAT	GGTGGGACGG	GAACACGAGA	TCGTTCAAT
	120961	TCCCTCCGTA	TCGGGACTTC	AACCAGAAC	CAGAACGGAA	GATGTTGGCG	AAGAGCTAAC
	121021	ACAAGACGAC	TACGTATGCG	AGGACGGTCA	GGATCTAATG	GGCTCGCTG	TAATCCCGCT
10	121081	GGCCGAGGTC	TTCCACACCC	GATTCTCGGA	GGCCGGCGCG	CGAGAACCAA	CAGGAGCCGA
	121141	TCGCTCCCTT	GAGACAGTCT	CTCTCGGAAC	GAAGCTTGCT	AGGTCTCCAA	AACCACCGAT
	121201	GAACGATGGG	GAAACGGGCA	GAGGTACGAC	CCCTCCGTT	CCGCAGGCCT	TCTCCCTGT
	121261	ATCCCCCGCG	TCTCCTGTTG	GAGACGCCG	CGGAAACGAT	CAACGGGAAG	ACCAGCGGTC
15	121321	TATAACCCGA	CAAACGACGA	GAGGAATTG	ACCAGGTTTG	CGTCCGGTGG	TCCATCGAGA
	121381	CAGACAAACT	CAGTCCATCT	CGGGTAAAAA	GCCGGCGAT	GAGCAAGCGG	GTCATGCGCA
	121441	TGCATCGGGG	GACGGAGTAG	TTCTCCAGAA	AACTCAACGG	CCCGCTCAGG	GAAAGAGCCC
	121501	GAAGAAAAAG	ACTTTGAAGG	TTAAGGTCCC	ACTCCCGGCG	CGGAAACCCG	GTGGACCTGT
20	121561	ACCCGGCCCG	GTTGAGCAAT	TGTACCACGT	CCTTTCGGAC	AGCGTTCCCG	CTAAGGGGGC
	121621	AAAGGC GGAC	CTGCCGTTG	AGACCGATGA	TACCCGCCA	AGGAAACATG	ATGCCCGGGG
	121681	TATAACACCT	CGCGTCCCTG	GACGTTGTC	GGGGGGCAA	CCTAGAGCGT	TTTGGCCCT
	121741	GCCGGGAAGA	TCCCACGCAC	CAGACCCGAT	TGAGGATGAC	AGCCCAGTGG	AGAAAAGGCC
	121801	AAAGAGTCGT	GAGTTGTTT	CGTCTTCATC	CTCTTCTCG	TCGTGGGAT	CGTCATCGGA
25	121861	GGATGAAGAC	GATGAACCCC	GGCGCGTTTC	GGTGGGAAGT	GAAACTACAG	GCAGCAGGTC
	121921	CGGACGCGAA	CACGCCCTT	CCCCGTCAAA	TTCGGATGAT	TCGGACTCAA	ATGATGGTGG
	121981	GTCGACGAAA	CAAATATCC	AACCGGGATA	TCGATCCATC	AGCGGTCCCG	ATCCGAGGAT
	122041	TCGTAAGACC	AAACGTCTT	GGGGGGAAAC	GGGGCGCCAG	AGACAGAAAT	CATTTCCT
	122101	GCCCGGATCC	AGAACCCGA	TAATTCCCCC	GGTGTGGGG	CCGCTCATGA	TGCCCAGCGG
30	122161	AAGCCCTTGG	CCCGGATCGG	CACCCCTCCC	ATCCAACAGG	GTGCGGTTTG	GACCGTCCGG
	122221	GGAGACCAAGA	GAGGGTOACT	GGGAGGATGA	GGCTGTGAGA	CGGGCGCGGG	CTCGTTACGA
	122281	GGCCTCAACG	GAACCCGTGC	CGCTTACGT	GCCGGAGTTG	GGAGATCCCG	CTAGACAGTA
	122341	CCGCGCGCTG	ATTAACCTGA	TCTACTGTCC	AGACAGAGAC	CCTATAGCAT	GGCTCCAGAA
	122401	CCCCAAGCTG	ACCGGTGTCA	ACTCGGCCCT	GAACCAGTTC	TACCAAAAGC	TGTTGCCACC
35	122461	GGGACGGGCG	GGTACCGCCG	TTACGGGGAG	CGTAGCGTCT	CCCGTTCCCG	ATGTAGGCGA
	122521	AGCCATGGCC	ACGGGGGAGG	CCCTCTGGGC	TCTCCCCCAC	CGGGCGCGGG	CCGTGGCTAT
	122581	GAGCCGTGCA	TACGACCGGG	CCCAAAACAA	CTTTATCCTA	CAGAGTCTCC	GCAGAGCCTT
	122641	TGCCAGCATG	GCATACCCCG	AGGCAACGGG	CTCCAGTCCG	CGGGCGCGGA	TCTCCCGCGG
	122701	TCACCCCTTCT	CCAACAAACCC	CGGCCACACA	GGCTCCCGAC	CCTCAGCCGT	CGGCCGCGCG
40	122761	ACGCTCTCTT	TCTGTGTGTC	CACCGGATGA	TCGTTTACGA	ACTCCGCGCA	AGCGCAAGTC
	122821	CCAGCCAGTC	GAGAGCAGAA	GCCTCCTCGA	CAAGATTAGG	GAGACACCCG	TCGCGGACGC
	122881	CCGGGTTGCA	GACGATCATG	TGGTTTCCAA	GGCCAAGAGG	CGGGTATCCG	AGCCC GTGAC
	122941	CATCACCTCG	GGCCCTGTGG	TGGATCCCCC	CGCCGTAATA	ACGATGCCAC	TTGACGGACC
	123001	GGCCCCAAAC	GGGGGATTTC	GGCGTATTCC	CCGGGGGGCC	CTGCATACCC	CGGTCCCGTC
45	123061	GGACCAGGCT	CGCAAGGGCGT	ACTGTACCCC	CGAAACCATC	GCCCCGTCTGG	TCGACGACCC
	123121	ATTGTTTCCC	ACGGCCTGGC	GCCCTGCGCT	AAGCTTGTAT	CCCGGCGCCT	TGGCGGAAAT
	123181	CGCCGCTCGG	CGTCGGGGCG	GAGGAGACCG	ACGGTTTGGT	CCACCCAGCG	GAGTGGAGGC
	123241	GCTGCGACGG	AGGTGCGCCT	GGATGCGGCA	GATCCCAGAC	CCGGAGGATG	TGAGGCTTCT
	123301	GATCATCTAC	GATCCGTGTC	CCGGAGAGGA	CATCAACGGC	CCCCTCGAGA	GCACCCCTCGC
50	123361	GACAGATCCG	GGACCGTCAT	GGAGTCCATC	CCGAGGGGGA	CTGTCTGTGG	TCCTGGCAGC
	123421	CCTGAGTAAC	CGGTTGTGCC	TGCCGAGCAC	TCATGCTGG	CCCGGGAACT	GGACCGGCC
	123481	GCGGGACGTG	TCCGCTTGA	ACGCCCCGGG	CGTTTATT	CTGTCGACCC	GAGACCTGGC
	123541	CTTGGCCGGG	GCCGTCGAGT	ATCTAGGCTC	CGGGTTGGCC	TCTGCCCGGC	GCCGGTTGCT
	123601	GGTGTGGAC	GCGGTGGCCC	TCGAGAGGTG	GCCCAGGGAT	GGACCCGCTT	TGTCTCAGTA
55	123661	TCACGTGTAC	GTCCGGGGCC	CGGCGCGACC	GGACGCCAG	CCCGTCGTC	GATGGCCAGA
	123721	CTCGGGCGTC	ACAGAAGGAC	TCGCCCCGGG	CGTGTGTTGCA	TCGTCGCGCA	CCTTGGGCC
	123781	AGCGAGTTT	GCTCGTATCG	AGACTGCGTT	TGCCAACCTG	TACCCGGGGCG	AACAAACCCCT
	123841	GTGTTTGTGC	CGCGGTGGGA	ACGTCGCATA	CACCGTGTGT	ACCCGCGCGG	GCCCCAAGAC
	123901	CCGCGTCCCC	CTGTCGCCCC	GTGAATACCG	GCAGTACGTG	CTGCCGGGTT	TTGACGGTTG
	123961	CAAGGACCTC	GCGCGACAGT	CTCGGGGTCT	GGGGCTCGGG	CGAGCCGACT	TTGTGGACGA
	124021	GGCGGCACAT	AGCCACCGCG	CAGCAAACCG	ATGGGGCCTG	GGTGC CGCGC	TTCGACCCGT
	124081	CTTCCCTTCCC	GAGGGACGGA	GACCGGGGGC	CGCCGGGCG	GAGGCCGGCG	ACGTACCCAC
	124141	CTGGGCGAGG	GTGTTTGTGC	GCCACGCCCT	GCTGGAACCC	GACCCCTGCCG	CAGAACCACT
	124201	CGTGCTTCCA	CCCGTGGCCG	GTGGTGTGCGT	GGCGCTGTAT	GGTGC CGCGC	ACGAGGCTCG

124261 GAATGCCCTC CCCCCGATTC CCAGAGTAAT GTGGCCGCC CGTTTGGGG CCGCGGAGAC
124321 GGTGTTGGAG GGGAGCGACG GAACACGGTT CGTGTTCGGA CACCACGGGG GCTCGGAACG
124381 GCCGTCAGAA ACCCAGGCAGG GGCACAGCG GCGCACCGCA GACGACAGAG AACACGCTTT
124441 GGAGCTGGAC GATTGGGAGG TGGGGTGTGA AGACGCGTGG GACAGCGAGG AGGGGGGCGG
5 124501 GGACGACGGG GACGCACCGG GGTCACTCCTT TGGGGTGAGC ATCGTGTTCGG TGGCCCCGGG
124561 TGTGCTGCGA GACCGCCGGG TGGGTTTGCG CCGGGCGGTC AAGGTGGAGC TGTTGTCTC
124621 GTCCTCGTCC TCCGAGGACG AGGACGATGT GTGGGGAGGG CGCGGGGGGA GGAGCCCCCCC
124681 GCAGAGTCGG GGGTGACGGA GTCCCCCTCCT TTTCTCGTGA GCGCCACTGG CGCGCGGACT
124741 GTTTGTTGTT AATAAAAGCG GAACGGTTTT TATGAAAAAA GTGTCTGTCT GTCTGTGCGG
10 124801 GCGGGCGACG GGCAGGGCTGG TCGGACCCCC CCCCGAAAAT AACCCCCCCC CGGTTTCTGG
124861 GCGCCCGGCG GACCCCCGGGA GAGG